

**Notebook 3**

**THE PRESENT STATE  
OF  
THE LOGLAN™ LANGUAGE**

**by**

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**LIST 1. PRIMITIVE PREDICATES, L-E**  
(Sorted by Loglan)

- badjo** (baj) bough/limb/branch of..  
**badlo** (bad) bundle/package of/containing..  
**bakso** (bao) box of/containing..  
**bakto** (bak) bucket/pail of/containing..  
**balci** (bac bai) build..from materials..  
**balko** (-) balcony of building..  
**balma** (bam) ball/sphere n.; spherical a.  
**balpi** (bal) balanced under forces..  
**banbe** (-) bay of coast..  
**banci** (ban) bathe in..  
**banko** (-) bank of community..  
**banla** (-) banana from source..  
**banse** (-) basket of/containing..  
**bapra** (-) operate..with goal..  
**barda** (-) reward..for..with..  
**barcu** (-) bar/tavern of community..  
**barma** (bar baa) arm of..; body-part  
**barta** (-) board of material..  
**basni** (bas) base/foundation/basis of..  
**batni** (bat) trade..for..with.. 'barter'  
**batpi** (bap) bottle of/containing..  
**batra** (-) butter, an amount of -  
**bedpu** (bed) bed n.  
**begco** (beg beo) beg/request..of/from..  
**bekli** (bel) bell producing sound/note..  
**bekti** (bek) object enduring in space-time  
**beldu** (-) belly/abdomen of..  
**bendu** (ben beu) band/orchestra of players..  
**berci** (-) sheep n.  
**berna** (-) brain of..  
**berti** (ber bei) carry..to..from.. 'bear'  
**betcu** (bet) bent, more -/crooked than..  
**bidje** (bie) edge of..between..  
**bifci** (-) bee n.  
**bifte** (-) beefsteak, an amount of -  
**bilca** (bic) military of.. 'militia'  
**bilra** (-) billiards, play - with..  
**bilti** (bil bii) beautiful, more - than..  
**birsu** (-) beer, an amount of -  
**bisli** (bis) ice, an amount of -  
**bitce** (-) whip/lash n. 'switch'  
**bitsa** (bit bia) between..and.. 'beside'  
**bivdu** (biv bid biu) behave..under..  
**blabi** (lab) white, -er than.. 'blank'  
**blada** (bla) blade of tool/weapon..  
**blanu** (-) blue, -r than..  
**bleka** (ble) look at..  
**blicu** (bli) possible under conditions..
- bloda** (blo) hit..with.. 'blow'  
**bloku** (-) block of material..  
**bludi** (blu) blood of organism..  
**blusa** (-) blouse n.  
**bomba** (-) bomb n.  
**bongu** (bon) bone of..  
**borku** (bor) bow for arrows..  
**botci** (boi) boy n.  
**botni** (-) button of..  
**botsu** (bot bou) boat n.  
**brana** (bra) born, be - to..  
**brato** (rao) ratio of..divided by..; math.  
**breba** (reb) bread, an amount of -  
**brede** (bre) ready for..  
**breko** (rek) brake of..  
**briga** (rig ria) brave, -er than..under..  
**briku** (rik) brick n.  
**brili** (ril) brilliant, brighter than..by..  
**brize** (bri) breeze/wind from..  
**brocu** (roc rou) brush n.  
**broda** (rod) broken/inoperable  
**broko** (bro) break into pieces..  
**brona** (-) brown, -er than..  
**bruci** (-) brooch n.  
**brudi** (bru) brother of..through..  
**brute** (rue) breathe v.t.  
**bufpo** (buf) opposite from..in quality..  
**bukeu** (buk buu) book about..by..  
**bulbi** (bul bui) bulb of plant/species..  
**bulju** (buj) boil at temperature..  
**bunbo** (bun) fool, be -ish about.. 'boob'  
**buste** (bus bue) step on/in..  
**butpa** (-) boot n.  
**cabro** (cab cao) burn at temperature..  
**cadre** (-) dress/gown/frock  
**camle** (-) camel, genus Camelus  
**canli** (cna cai) quantity of..on scale..  
**canse** (can cae) chance, random under..  
**capri** (cap) print v.t.; - ..on..  
**carbo** (car) carbon C  
**cartu** (cat) chart/map of..by..  
**caslo** (cas) whistle n.  
**cavle** (cav) shovel n.  
**cedzu** (ced) shade/shadow of..from source..  
**cefli** (cef) chief of..for activity..  
**celna** (cel) shelf of/containing..  
**cenja** (cej cea) change into/become..from..  
**centi** (cen) hundredth part of.. 'cent'  
**cersi** (cei) chair n.  
**cetlo** (cet) wet with..  
**cibra** (-) bridge over/across..  
**cidja** (cid) awake, be -

- ciktu** (cik ciu) equal..in/on dimension..  
**cilda** (-) island in sea..  
**cimra** (cim) summer of year..  
**cinta** (cin) infant/baby of..  
**cirna** (cir cia) learn..from source..  
**cirzo** (cio) shears/scissors  
**cisti** (cis) history of..by..  
**citlu** (cil) detail of..  
**citre** (cit cie) thread, an amount/length of -  
**ckafe** (-) cafe of community..  
**ckano** (cka) kind, be - to..  
**ckela** (kea) school of community..  
**ckemo** (cke) time/interval from..to 'tempo'  
**ckozu** (cko) cause/be a - of..under..  
**clado** (cla) loud, -er than..by..  
**clafo** (-) laugh at..  
**clesi** (cle) without, be - ..be..less  
**clidu** (-) slide/slip on..  
**cliffe** (lif) leaf of plant..  
**clika** (cli) like/similar to..in..  
**clina** (lin lia) line through points..  
**clivi** (liv lii) live/be alive  
**clori** (clo) chlorine Cl  
**cluva** (clu) love v.t.  
**cmalo** (cma) small, -er in volume than..by..  
**cmeni** (cme) money issued by..  
**cmiza** (cmi) amused, be - by../by doing..  
**cnida** (cni) need..for..  
**cninu** (cnu) new to..in feature..  
**colku** (col) silk made of -  
**comtu** (com cot cou) ashamed of doing/being..  
**condi** (con) deep, -er than..by..  
**corta** (cor coa) short, -er than..by..  
**cpula** (cpu) pull..to..from..  
**crano** (cra) smile at.. 'grin'  
**crina** (cri) rain, be -ed on by..  
**cteki** (cte) tax on..by..for use..  
**ctifu** (cti) stuff matter/material  
**ctuda** (ctu) feces of.. 'stool'  
**cundo** (cuo) window of..  
**cupri** (cup) copper Cu  
**curca** (cur) secure/safe from.. 'sure'  
**curdi** (-) insure..against..for fee..  
**curta** (-) shirt/upper-body garment  
**cutei** (cuc) shoe n.  
**cutri** (cut cui) water, an amount/expanse of -  
**cutse** (cus cue) say..to..  
**dakli** (dak) likely, -ier than..under..  
**dalra** (-) dollar, be worth..-s; default 1  
**damni** (dam) down, lower than..by..in f'ld..  
**dampa** (-) pump for -ing..from..into..  
**danci** (dan dai) design, be a plan for..by..  
**danri** (-) ordinary, more - than..in..  
**danse** (-) dance to..  
**dante** (dat) tooth of.. 'dental'  
**danza** (daa) desire/want..for..  
**dapli** (-) reply to..with response..  
**darli** (dar) far, -ther than..from..by..  
**darto** (dao) door of/in..  
**daspa** (das dap) responsible for..to..  
**decti** (dec) tenth part of.. 'deci-'  
**dedjo** (ded dej) finger of.. 'digit'  
**dekto** (dek) tenfold of.. 'deka-'  
**denli** (del dei) day, -time of day.. 'daily'  
**denro** (den) danger, -ous to..under..  
**dertu** (der deu) dirt/soil/earth from/of..  
**detra** (det dea) daughter of..and..  
**dilko** (-) delicious, more - than..to..  
**dilri** (-) represent..in/under..  
**dipri** (dip) dear/precious to..  
**dirco** (dir dio) direction, be in - ..from..  
**dirlu** (-) lose person/thing..  
**dislu** (diu) discuss..with..  
**disri** (dii) decide../to do..about..  
**ditca** (dic dia) teach..to do/know..  
**ditka** (dit) bite..on/at..  
**djano** (dja) know..about..  
**djela** (dje jel) well, healthier than..  
**djesi** (-) digest ..; v.t.  
**djeta** (jet) owe..to..for.. 'debt'  
**djine** (dji) join, be -ed to..at..  
**djipo** (jip jio) important to..in/for..  
**djitu** (jit jiu) tight, be -er than..on..  
**djori** (djo) member of set/group.. 'join'  
**djoso** (jos) sew..to..  
**djoto** (-) toe of..  
**djudi** (dju) judge..to be..; be a -  
**djula** (jul) jewel in/of jeweled object..  
**djupo** (jup juo) support..with/by..  
**donsu** (don dou) give..gift.. 'donate'  
**dorja** (dor) war, be at - with..over..  
**dotca** (-) German language 'Deutsch'  
**dotci** (-) German person 'Deutsch'  
**dotco** (-) German culture 'Deutsch'  
**dotra** (dot) winter of year..  
**draka** (rak) dark, -er than..by..  
**drani** (dra) dry, -er than..by..  
**drara** (-) drawer of/containing..  
**dreti** (dre) correct by standard..  
**drida** (-) drop of liquid..  
**driki** (dri) remember..about..  
**dugri** (-) unit of scale.. 'degree'  
**dupma** (dup) dupe/deceive/trick..about..by..  
**durna** (dun dua) adorn../be an -ment of..

- durzo** (dru dur duo) do..to..  
**dustu** (dus) dust n.  
**dutci** (dut) doubt that..is true of..  
**duvri** (duv dui) discover..about..  
**dzabi** (dza) be real/exist for..under..  
**dzaso** (zas) soap, an amount of -  
**dzeli** (dze) jelly, an amount of -  
**dzoru** (dzo) walk to..from..via..  
**fagro** (fag) fire, be a - in..  
**falba** (fab faa) fail to do/be..under..  
**falji** (fal fai) false by standard..  
**famji** (fam) family with members..  
**famva** (-) famous for..among..  
**fando** (fad fao) end of thing/process.. 'final'  
**fanra** (fan) farm of community..  
**fanve** (fav) reverse of../in - order from..  
**farfu** (fra far) father of..out of mother..  
**farka** (-) arch over/be an - over..  
**fasli** (-) face of..  
**fasru** (fas) easy for..under.. 'facile'  
**fatru** (fat fau) trouble/disturb..by..  
**fekto** (fek feo) fact about..observed by..  
**felda** (fel fed fea) fall to..from.. 'fell'  
**femdi** (fem) female of species..  
**ferci** (fei) affair of/involving..  
**fernu** (fen feu) iron Fe  
**ferti** (fet) fertile, more - than..for..  
**festi** (fes) waste..on/by doing..  
**fibru** (fib) feeble, weaker than..by..  
**fieli** (fic) fish n.  
**fikeo** (fik) fiction, a work of - by..  
**fildi** (fii) field of farm/community..  
**filmo** (fil fio) feel..about..  
**firpa** (fir fia) fear/be afraid of/that..  
**fitpi** (fit fip) foot of..  
**fizdi** (fiz fid) physical/non-mental  
**flaci** (-) flag of..  
**flaki** (-) fly n.  
**flami** (fla) flame of fire/device..  
**flati** (-) inflate..with..to dimension..  
**fleti** (fle) fly to..from..via..  
**flidu** (fli) liquid from temp..to.. 'fluid'  
**lofufu** (-) float on/in..  
**flora** (lor loa) flower of plant..  
**foldi** (fod) fold .. ..times, v.t.  
**folma** (flo) full, -er than..by..  
**fordi** (-) floor of..  
**forka** (-) fork n.  
**forma** (fom foa) form/shape of..  
**fosli** (fos foi) force/compel..to do/be..  
**forli** (fol) strong, -er than..by.. 'fort'  
**lotpa** (-) fat, plumper/stouter than..  
**fragu** (rag) fog, be -gy/covered by -  
**fraki** (-) franc, be worth.. -s; default 1  
**frama** (ram) frame of/around..  
**frasa** (-) French language 'Francais'  
**frasi** (-) French person 'Francais'  
**fraso** (-) French culture 'Francais'  
**frelo** (-) crazy/insane/mad 'frenzy'  
**fremi** (rem) friend of..  
**frena** (fre) front, be in - /ahead of..  
**frese** (-) fresh, -er than..  
**frezi** (rez) free to do/be..  
**fruta** (fru) fruit of..  
**fulri** (-) rich, wealthier than..in..  
**fumna** (fum fua) woman n. 'feminine'  
**fundu** (-) fond, be -er of/prefer..to..  
**fusto** (-) office of..  
**futbo** (-) football, -er/play - with..  
**futci** (fut fuc fui) future, after/later than..  
**gancu** (gac gau) win..from/over.. 'gain'  
**gandi** (gad) god of people(s)..  
**ganli** (gal) organize..into..for..  
**ganta** (gan gaa) high, -er than..by..in field..  
**gardi** (-) garden of family/community..  
**garni** (gar gai) govern/rule over/-or of..  
**garti** (gat) grateful, be - to..for..  
**gasno** (gas gao) anus of..  
**gasti** (-) steel, made of -  
**genza** (gen gea) again, a recurrence of..  
**getsi** (get gei) get..from..for..  
**gigdo** (gig) billionfold of.. 'giga-'  
**ginna** (-) gymnast at feat..  
**ginru** (gin) root of plant..  
**gleca** (-) English language  
**gleci** (-) English person  
**gleco** (-) English culture  
**glida** (gli) guide..to..from..via..  
**gliso** (-) glass, made of -  
**gluva** (-) glove n.  
**godru** (-) drain of..into..  
**godzi** (god goz goi) go to..from..via..  
**gokru** (gok) hook n. 'crook'  
**goltu** (-) throat of.. 'gullet'  
**gomni** (gom) gummy, adhere/stick to..  
**gotca** (goa) goat n.  
**gotri** (got) industry producing..among..  
**grada** (gra) great, -er than.. 'grand'  
**gramo** (-) gram weigh.. -s; default 1  
**grasa** (raa) grass, a blade/expanse of -  
**grato** (-) cake n. 'gateau, torte'  
**gresa** (gre) grease/fat/oil, an amount of  
**grisi** (-) grey, -er than..  
**gritu** (gri) sing..to.. 'greet, tune'

- groci** (roi) angry at..for.. 'growl'  
**groda** (gro) big, -ger than..by.. 'gross'  
**grunu** (run) grain from source..  
**grupa** (gru) group with members..  
**gudbi** (gud gub) good, better than..for..  
**gunti** (gun gui) country of people..  
**gusto** (gus gut) taste/flavor of.. 'gusto'  
**gutra** (gur) strange to..in features..  
**hanco** (han) hand of..  
**hapci** (hap hai) happy about..  
**hardu** (had) hard, more resistant than..  
**harko** (har hao) harbor/shelter for..from..  
**harmo** (ham) harmonious with..to..  
**hasfa** (has haf haa) house/dwelling/home of..  
**hatro** (hat) hot, -ter than..by..  
**hedto** (hed) head of..; body-part  
**hekto** (hek) hundredfold of.. 'hecto-'  
**helba** (hel hea) help..do..  
**herba** (heb) plant n. 'herb'  
**herfa** (her) hair of..  
**hidro** (hid) hydrogen H  
**hijra** (hia) here, attend/be present at..  
**hinda** (-) Hindi language  
**hindi** (-) Indian person 'Hindi, Hindu'  
**hindo** (-) Indian culture 'Hindi, Hindu'  
**hirti** (hir) hear..over noise..  
**holdu** (hol hou) hole/pit/depression in..  
**hompi** (hom hoi) drink..from..  
**horma** (hor hoa) horse n.  
**horno** (-) horn of..; body part  
**hospi** (hos) hospital of community..  
**hotle** (-) hotel of community..  
**hozda** (-) hose/stocking/sock  
**humni** (hum hun) human, be -/a - being  
**hutri** (hut hui) destroy v.t.  
**jaglo** (jag jao) angle between pts.. 'jagged'  
**jalti** (jai) product of..multiplied by..  
**janro** (jar) narrow, -er than..by..  
**janto** (jan) hunt game/quarry..  
**jmite** (jmi) meet/encounter..at/in..  
**jokla** (jok) clock n.  
**jorto** (jor joo) hour, last.. -s; default 1  
**jugra** (jug jua) grab/seize..with..  
**junga** (-) Chinese language 'Zhungwo'  
**jungi** (-) Chinese person 'Zhungwo'  
**jungo** (-) Chinese culture 'Zhungwo'  
**junti** (jun) young, -er than..by.. 'junior'  
**jupni** (jui) opine/think..true of..  
**jurna** (-) earn..for work/service..  
**kabni** (-) cabin of..  
**kabre** (-) cabaret night-club of..  
**kadta** (-) tile n.  
**kafso** (-) cough up/out..  
**kakto** (kak kao) act/do..with goal..  
**kalra** (-) collar of garment..  
**kambi** (-) compare..with..in..  
**kamda** (kad) fight..over.. 'combat'  
**kamki** (-) comic, be funny to..in..  
**kamla** (kam kaa) come from..to..via..  
**kampo** (-) camp of..at..  
**kamra** (kar) camera n.  
**kamti** (-) committee of..with task..  
**kance** (kac kae) conscious, be -/aware of..  
**kangu** (kau) dog n. 'canine'  
**kanla** (-) canal between points..via..  
**kanmo** (kan) can be able to do..under..  
**kanpi** (-) compete with..over..  
**kanra** (-) cane n. rod/staff  
**kanti** (-) account bill for..to..by..  
**kapli** (kal) complete by standard..  
**kapma** (-) cap/hat  
**kapni** (kap) open, be -/not shut  
**kapta** (-) captain of..  
**karci** (-) heart of.. 'cardiac'  
**karda** (-) card n.  
**karku** (-) crack, be a -/fissure in..  
**karsa** (kas) across..from..  
**karti** (-) cart/carriage/wagon  
**kasfa** (kaf) punish..for..by doing..  
**kasni** (-) cow/cattle 'kine'  
**katca** (-) watch/observe..do..  
**katli** (kat kai) quality, have -/feature..  
**katma** (-) cat n. a feline animal  
**katna** (-) cotton from source..  
**kecri** (kec kei) sad, be - about.. 'regret'  
**kekti** (-) kick v.t.  
**kemdi** (kem) chemical, a pure instance of..  
**kenti** (ken) question about..by..to..  
**kerju** (kej keu) care for/take - of..  
**kerti** (ker) air, a quantity of -  
**ketli** (ket) kettle of/containing..  
**ketpi** (-) ticket to..from..on..for..  
**kicmu** (kie kiu) doctor, -s..for..with.. 'cure'  
**kilto** (kil) thousandfold of.. 'kilo-'  
**kinci** (kin kii) with..companion of..in..  
**kinku** (kik) keen, -er/sharper than..  
**kitsa** (-) copulate with.. 'coitus'  
**klabu** (kla) cloth, an amount of -  
**klada** (-) cloud of airmass..  
**klelda** (-) cold, -er than..by..  
**klesi** (kle) class of..with property..  
**klini** (-) clean, -er than..  
**klipu** (-) keep/retain..  
**kliri** (kli) clear, -er than..

- klogu** (klo) closed, be - , as of a door  
**kokfa** (kok) cook..for..  
**kolme** (-) coal, an amount of -  
**kolro** (kol koo) color, be a - perceived by..  
**komeu** (kom) comb n.  
**komfu** (kof kou) comfortable, be more -  
 than..to  
**kompi** (-) company chartered by..for..  
**konbi** (-) vagina of..  
**konsu** (kos) consul of..in..  
**konte** (kon) count, the number in set..  
**kopea** (kop) copy of..  
**korce** (koc koe) cord/rope/an amount of -age  
**korji** (koj koi) order/command..to do..  
**korka** (-) cork from source..  
**korti** (kor) body of.. 'corpus'  
**korva** (kov koa) curve through pts..  
**kosta** (-) coat n.  
**kraco** (-) smash..into pulp.. 'crush'  
**kraju** (raj) scratch..; v.t.  
**kraku** (kra) cry/cry out; v.i.  
**krani** (-) drive/make..go to..from..  
**kredi** (-) credit..with..under..  
**kreni** (kre) ray from energy source..  
**krido** (kri) believe..about.. 'creed'  
**krilu** (-) wheel of device/vehicle..  
**krima** (-) cream from source..  
**krinu** (-) nut of plant.. 'kernel'  
**kroli** (kro) flow/current from..to..'crawl'  
**kruli** (-) cruel, be - to..  
**kruma** (kru) room of/in..  
**kubra** (kub) broad, be -er/wider than..by..  
**kukra** (kuk) quick, be faster than..by..  
**kultu** (kul) culture of people(s)..  
**kuntu** (kum kuu) common to/universal in set..  
**kunci** (kuc kui) related to..by relation..'kin'  
**kupta** (kup) cup of/containing..  
**kurfa** (kur) square with vertices..  
**kurma** (-) worm n.  
**kurni** (kun) warn..of/about danger..  
**kurti** (-) curtain of/across aperture..  
**kusmo** (kus kuo) custom/habit of..under..  
**kuspo** (-) spreads/expands over/into..  
**kusti** (-) costly, more - than..for..  
**kutla** (klu) cut..into pieces..  
**kutra** (-) bitter, more - than..to..  
**kuvga** (kuv kua) cover../be a - of..  
**kuvla** (-) cave/cavity/cavern in..  
**ladzo** (-) louse n.  
**lakse** (lak) wax from source..  
**laldo** (lal) old, -er than..by..  
**landi** (lan lai) land, a parcel/expanse of -  
**langa** (lag laa) long, -er than..by..  
**larte** (lar lae) art of making..among..  
**lasti** (las) elastic, more - than..  
**latei** (-) light, -er than..by..in field..  
**ledri** (led) lightning from..to..  
**ledzo** (lez) left of../-hand side of..  
**lelpi** (lel lep) level in gravity field..  
**lengu** (len leu) language of people(s)..  
**lenki** (lek) electric, - charge on..; -ity  
**lenzo** (leo) lens of system..  
**lerci** (ler) letter to..from..about..  
**lesta** (les) east of../an -ern part of..  
**letei** (let lei) let/permit..do..under..  
**letra** (lea) letter/-al in character-set..  
**lidji** (lid) religion of people(s)..  
**likro** (lio) liquor/distilled spirits  
**likta** (lik) week of month/year..  
**lilfa** (lil) law against..by..under..'legal'  
**limji** (lim lij) limit of..  
**linbu** (-) linen from source..  
**linco** (lic) lean, thinner than..by..  
**lista** (lis) list of set..in order..  
**litla** (lit) light from source..on..  
**litnu** (liu) restrain../keep..from doing..  
**lodji** (lod) logic for getting..from..  
**logla** (log) Loglan language  
**logli** (-) Loglander person  
**loglo** (-) Loglandic culture  
**lokti** (loi) local to../confined to..  
**lufta** (-) lift..to..from..in field..  
**lunli** (lul) wool from source..  
**lunra** (lun) lunar, pert. to Earth's moon  
**lusta** (lus) west of../a -ern part of..  
**madji** (maj) magician; do magic before..  
**madzo** (mad mao) make..out of.. 'made'  
**magne** (-) magnet n.; -ic a.  
**makri** (-) mark, be worth.. -s; default 1  
**malbi** (mal) sick with..from.. 'malady'  
**malna** (man) milk from source..  
**mande** (-) manage function..in..  
**manko** (mak) mouth of..  
**manti** (-) ant of hill/colony..  
**marka** (mra mar) mark, be a - on..made by..  
**marli** (-) mile, be.. -s long; default 1  
**marpi** (-) snake/serpent 'reptile'  
**marte** (mae) market of community.. 'mart'  
**matci** (mac mai) machine for use/function..  
**matma** (mat mam maa) mother of..by father..  
**megdo** (meg) millionfold of.. 'mega-'  
**meino** (-) melon from source..  
**mendi** (men) male of species.. 'men'  
**menki** (mek) eye of..

**mensa** (mea) month of year.. 'menses'  
**merji** (mer) marry, be -ied to..; spouse  
**merka** (-) American dialect  
**merki** (-) American person  
**merko** (-) American culture  
**merli** (mel mei) measure..to be..on scale..  
**metca** (-) match/incendiary device  
**metli** (met) metal, be -ic/made of -  
**metro** (meo) meter, be.. -s long; default 1  
**midju** (mid mij) middle/at the center of..  
**miksa** (mis) mixture of ingredients..  
**mikti** (mik) millionth part of.. 'micro-'  
**mildo** (-) mild, be gentle to/with..  
**milfa** (mia) meal composed of dishes..  
**milti** (mil) thousandth part of.. 'milli-'  
**minku** (miu) mineral, ore from source..  
**minta** (-) minute, lasts.. -s; default 1  
**mipli** (mip mii) example of..  
**mirdo** (mir) ten-thousand of.. 'myriad'  
**misme** (-) maize/corn from source..  
**mitro** (mit mio) meat from source..  
**modvi** (mov moi) motive for..to do..under..  
**molci** (-) mill of community..  
**molro** (-) soft, -er/more malleable than..  
**monca** (mon moa) mountain of landmass..  
**monza** (moz) morning of day..  
**mordu** (mro mou) more, exceeds..in prop'ty..  
 by..  
**morto** (mor) dead a. 'mortal'  
**motci** (moc) motor n.  
**mrenu** (mre) man n. 'men'  
**mroza** (roz roa) hammer n.  
**mubre** (mub) wood from source..  
**munce** (mun) community of organisms..  
**murki** (muk) monkey n.  
**mursi** (mur) sea of planet..  
**muslo** (mus) muscle of..  
**mutce** (mut muc mue) much, more extreme  
 than..in..  
**muvdo** (muv muo) move to..from..over path..  
**muzgi** (muz mui) music by composer..  
**nable** (nab) problem to..in doing task..  
**nadri** (nad) sodium Na  
**nadzo** (naz nao) now/simultaneous with..  
**najda** (naj) knife n.  
**nakso** (-) fix..for use/user..  
**naldi** (nal) nail n.  
**namci** (nam) name of..to/used by..  
**nanda** (-) knot in/between..  
**nanti** (nan) billionth part of.. 'nano-'  
**nardu** (nau) difficult for..under.. 'hard'  
**narmi** (-) army of..

**narti** (-) apart separate from..  
**natli** (nat nai) night, -time of day..  
**natra** (nar naa) natural/not caused by man  
**nazbi** (-) nose of..  
**nedza** (ned nea) next to..  
**negda** (neg) egg of/from source..  
**nemdi** (-) enemy of..in struggle..  
**nenri** (nen nei) in/-side/interior of.. 'inner'  
**nensu** (-) nest of..  
**nerbi** (neb) necessary for process..  
**nerji** (nej) energy, have more - than..by..  
**nervo** (nev) nervous about.. 'nervy'  
**nesta** (nes) honest with..about..  
**netre** (net) net n.  
**nidla** (-) needle n.  
**nigro** (nig) black, -er than..  
**nikle** (-) nickel Ni  
**nikri** (nik) cheese from source.. 'curd'  
**nilca** (-) beneath/vertically below..in..  
**nimla** (nim nia) animal n.  
**nirda** (-) bird n.  
**nirli** (nil) girl n.  
**nirne** (nin nie) year of epoch..  
**nitci** (nit) neat, -er than..  
**nitro** (-) nitrogen N  
**nordi** (nod) north of../a -ern part of..  
**norji** (-) orange, be more - than..  
**norma** (nom noa) average, the - ..of.. 'normal'  
**notbi** (not) other, not same as.. 'not be'  
**numcu** (num nuu) number n.  
**nurvi** (nuv) nerve of..; body-part 'neuro-'  
**nutra** (-) neutral in fight..between..  
**nuzvo** (nuz) news about..from source..  
**packe** (-) pocket of garment..  
**padzi** (paz) cushion/pillow 'padded'  
**pafko** (-) dig..up out of..  
**palci** (-) polish n.  
**palto** (-) potato from source..  
**panba** (pan) pan n.  
**pandi** (-) pound, be worth.. -s; default 1  
**panki** (-) panic, be -ked by..  
**pantu** (-) pants/trousers  
**papre** (pre) paper n.  
**parti** (par pai) part of whole..  
**pasko** (pas pak pao) past, before..; default  
 now  
**paspo** (-) passport issued to..by..for..  
**pasti** (-) paste n.  
**patce** (pac pae) apparatus/device for doing..  
**patpe** (pat) pot n.  
**pazda** (pad) pause, wait for..before..  
**pelpi** (-) leather/skin/hide from..'pelt'

- klogu** (klo) closed, be - , as of a door  
**kokfa** (kok) cook..for..  
**kolme** (-) coal, an amount of -  
**kolro** (kol koo) color, be a - perceived by..  
**komeu** (kom) comb n.  
**komfu** (kof kou) comfortable, be more -  
 than..to  
**kompi** (-) company chartered by..for..  
**konbi** (-) vagina of..  
**konsu** (kos) consul of..in..  
**konte** (kon) count, the number in set..  
**kopca** (kop) copy of..  
**korce** (koc koe) cord/rope/an amount of -age  
**korji** (koj koi) order/command..to do..  
**korka** (-) cork from source..  
**korti** (kor) body of.. 'corpus'  
**korva** (kov koa) curve through pts..  
**kosta** (-) coat n.  
**kraco** (-) smash..into pulp.. 'crush'  
**kraju** (raj) scratch..; v.t.  
**kraku** (kra) cry/cry out; v.i.  
**krani** (-) drive/make..go to..from..  
**kredi** (-) credit..with..under..  
**kreni** (kre) ray from energy source..  
**krido** (kri) believe..about.. 'creed'  
**krilu** (-) wheel of device/vehicle..  
**krima** (-) cream from source..  
**krinu** (-) nut of plant.. 'kernel'  
**kroli** (kro) flow/current from..to..'crawl'  
**kruli** (-) cruel, be - to..  
**kruma** (kru) room of/in..  
**kubra** (kub) broad, be -er/wider than..by..  
**kukra** (kuk) quick, be faster than..by..  
**kultu** (kul) culture of people(s)..  
**kumtu** (kum kuu) common to/universal in set..  
**kunci** (kuc kui) related to..by relation..'kin'  
**kupta** (kup) cup of/containing..  
**kurfa** (kur) square with vertices..  
**kurma** (-) worm n.  
**kurni** (kun) warn..of/about danger..  
**kurti** (-) curtain of/across aperture..  
**kusmo** (kus kuo) custom/habit of..under..  
**kuspo** (-) spreads/expands over/into..  
**kusti** (-) costly, more - than..for..  
**kutla** (klu) cut..into pieces..  
**kutra** (-) bitter, more - than..to..  
**kuvga** (kuv kua) cover../be a - of..  
**kuvla** (-) cave/cavity/cavern in..  
**ladzo** (-) louse n.  
**lakse** (lak) wax from source..  
**laldo** (lal) old, -er than..by..  
**landi** (lan lai) land, a parcel/expanse of -  
**langa** (lag laa) long, -er than..by..  
**larte** (lar lae) art of making..among..  
**lasti** (las) elastic, more - than..  
**latci** (-) light, -er than..by..in field..  
**ledri** (led) lightning from..to..  
**ledzo** (lez) left of../-hand side of..  
**lelpi** (lel lep) level in gravity field..  
**lengu** (len leu) language of people(s)..  
**lenki** (lek) electric, - charge on..; -ity  
**lenzo** (leo) lens of system..  
**lerci** (ler) letter to..from..about..  
**lesta** (les) east of../an -ern part of..  
**letci** (let lei) let/permit..do..under..  
**letra** (lea) letter/-al in character-set..  
**lidji** (lid) religion of people(s)..  
**likro** (lio) liquor/distilled spirits  
**likta** (lik) week of month/year..  
**lilfa** (lil) law against..by..under..'legal'  
**limji** (lim lij) limit of..  
**linbu** (-) linen from source..  
**linco** (lic) lean, thinner than..by..  
**lista** (lis) list of set..in order..  
**litla** (lit) light from source..on..  
**litnu** (liu) restrain../keep..from doing..  
**lodji** (lod) logic for getting..from..  
**logla** (log) Loglan language  
**logli** (-) Loglander person  
**loglo** (-) Loglandic culture  
**lokti** (loi) local to../confined to..  
**lufta** (-) lift..to..from..in field..  
**lunli** (lul) wool from source..  
**lunra** (lun) lunar, pert. to Earth's moon  
**lusta** (lus) west of../a -ern part of..  
**madji** (maj) magician; do magic before..  
**madzo** (mad mao) make..out of.. 'made'  
**magne** (-) magnet n.; -ic a.  
**makri** (-) mark, be worth.. -s; default 1  
**malbi** (mal) sick with..from.. 'malady'  
**malna** (man) milk from source..  
**mande** (-) manage function..in..  
**manko** (mak) mouth of..  
**manti** (-) ant of hill/colony..  
**marka** (mra mar) mark, be a - on..made by..  
**marli** (-) mile, be.. -s long; default 1  
**marpi** (-) snake/serpent 'reptile'  
**marte** (mae) market of community.. 'mart'  
**matei** (mac mai) machine for use/function..  
**matma** (mat mam maa) mother of..by father..  
**megdo** (meg) millionfold of.. 'mega-'  
**melno** (-) melon from source..  
**mendi** (men) male of species.. 'men'  
**menki** (mek) eye of..

- mensa** (mea) month of year.. 'menses'  
**merji** (mer) marry, be -ied to.; spouse  
**merka** (-) American dialect  
**merki** (-) American person  
**merko** (-) American culture  
**merli** (mel mei) measure..to be..on scale..  
**metca** (-) match/incendiary device  
**metli** (met) metal, be -ic/made of -  
**metro** (meo) meter, be.. -s long; default 1  
**midju** (mid mij) middle/at the center of..  
**miksa** (mis) mixture of ingredients..  
**mikti** (mik) millionth part of.. 'micro-'  
**mildo** (-) mild, be gentle to/with..  
**milfa** (mia) meal composed of dishes..  
**milti** (mil) thousandth part of.. 'milli-'  
**minku** (miu) mineral, ore from source..  
**minta** (-) minute, lasts.. -s; default 1  
**mipli** (mip mii) example of..  
**mirdo** (mir) ten-thousand of.. 'myriad'  
**misme** (-) maize/corn from source..  
**mitro** (mit mio) meat from source..  
**modvi** (mov moi) motive for..to do..under..  
**molci** (-) mill of community..  
**molro** (-) soft, -er/more malleable than..  
**monca** (mon moa) mountain of landmass..  
**monza** (moz) morning of day..  
**mordu** (mro mou) more, exceeds..in prop'ty..  
 by..  
**morto** (mor) dead a. 'mortal'  
**motci** (moc) motor n.  
**mrenu** (mre) man n. 'men'  
**mroza** (roz roa) hammer n.  
**mubre** (mub) wood from source..  
**munce** (mun) community of organisms..  
**murki** (muk) monkey n.  
**mursi** (mur) sea of planet..  
**muslo** (mus) muscle of..  
**mutce** (mut muc mue) much, more extreme  
 than..in..  
**muvdo** (muv muo) move to..from..over path..  
**muzgi** (muz mui) music by composer..  
**nable** (nab) problem to..in doing task..  
**nadri** (nad) sodium Na  
**nadzo** (naz nao) now/simultaneous with..  
**najda** (naj) knife n.  
**nakso** (-) fix..for use/user..  
**naldi** (nal) nail n.  
**namci** (nam) name of..to/used by..  
**nanda** (-) knot in/between..  
**nanti** (nan) billionth part of.. 'nano-'  
**nardu** (nau) difficult for..under.. 'hard'  
**narmi** (-) army of..
- narti** (-) apart separate from..  
**natli** (nat nai) night, -time of day..  
**natra** (nar naa) natural/not caused by man  
**nazbi** (-) nose of..  
**nedza** (ned nea) next to..  
**negda** (neg) egg of/from source..  
**nemdi** (-) enemy of..in struggle..  
**nenri** (nen nei) in/-side/interior of.. 'inner'  
**nensu** (-) nest of..  
**nerbi** (neb) necessary for process..  
**nerji** (nej) energy, have more - than..by..  
**nervo** (nev) nervous about.. 'nervy'  
**nesta** (nes) honest with..about..  
**netre** (net) net n.  
**nidla** (-) needle n.  
**nigro** (nig) black, -er than..  
**nikle** (-) nickel Ni  
**nikri** (nik) cheese from source.. 'curd'  
**nilca** (-) beneath/vertically below..in..  
**nimla** (nim nia) animal n.  
**nirda** (-) bird n.  
**nirli** (nil) girl n.  
**nirne** (nin nie) year of epoch..  
**nitci** (nit) neat, -er than..  
**nitro** (-) nitrogen N  
**nordi** (nod) north of../a -ern part of..  
**norji** (-) orange, be more - than..  
**norma** (nom noa) average, the - ..of.. 'normal'  
**notbi** (not) other, not same as.. 'not be'  
**numcu** (num nuu) number n.  
**nurvi** (nuv) nerve of.; body-part 'neuro-'  
**nutra** (-) neutral in fight..between..  
**nuzvo** (nuz) news about..from source..  
**packe** (-) pocket of garment..  
**padzi** (paz) cushion/pillow 'padded'  
**pafko** (-) dig..up out of..  
**palci** (-) polish n.  
**palto** (-) potato from source..  
**panba** (pan) pan n.  
**pandi** (-) pound, be worth.. -s; default 1  
**panki** (-) panic, be -ked by..  
**pantu** (-) pants/trousers  
**papre** (pre) paper n.  
**parti** (par pai) part of whole..  
**pasko** (pas pak pao) past, before.; default  
 now  
**paspo** (-) passport issued to..by..for..  
**pasti** (-) paste n.  
**patce** (pac pae) apparatus/device for doing..  
**patpe** (pat) pot n.  
**pazda** (pad) pause, wait for..before..  
**pelpi** (-) leather/skin/hide from..'pelt'

- pelto** (-) yellow, -er than..  
**penbi** (-) pen/writing instrument  
**pendi** (ped) hang from.. 'pendulum'  
**penja** (pej) sponge n.  
**penso** (pen peo) think about.. 'pensive'  
**penre** (-) parent, is a - of..by..  
**penta** (pet pea) point, be a/the - of..  
**perli** (-) pear from source..  
**pernu** (per peu) person/people  
**perti** (pei) pertain to../concern..  
**pesro** (-) peso, be worth.. -s; default 1  
**pesta** (-) peseta, be worth.. -s; def't 1  
**petci** (pec) pay..to..for goods/service..  
**petri** (-) distribute/share..out among..  
**pidri** (-) page of document..  
**pifno** (pif pio) frequent, more - than..under..  
**pikti** (pik) trillionth part of.. 'pico-'  
**pilno** (pil) plane through pts..; flat  
**pinca** (pic) urine of.. 'piss'  
**pinda** (pid) pin n.  
**pingu** (-) penis of..  
**pinsi** (-) pencil n.  
**pinti** (pin) paint n.  
**pirle** (pie) parallel to..  
**pisku** (piu) piece of..  
**pismi** (pis) peace, be at - with..  
**plado** (lad) plow n.  
**plata** (pla) plate n.  
**pleci** (ple) play with..  
**pligo** (-) apple from source..  
**plizo** (pli) use..for..  
**pluci** (plu) please..by..  
**pluma** (lum lua) feather of.. 'plume'  
**poldi** (pod) nation of people.. 'polity'  
**ponda** (poa) respond..to..under..  
**ponja** (-) Japanese language 'Nippon-jin'  
**ponji** (-) Japanese person 'Nippon-jin'  
**ponjo** (-) Japanese culture 'Nippon-jin'  
**ponsu** (pon pou) own..under law/custom..  
**porju** (poj) pig n. 'pork'  
**porli** (por poi) power, -ful; have - over..  
**posta** (pot) post/mail..to..from..by..  
**pozfa** (poz) oppose..on issue..  
**prali** (ral) profit be the - to..from..  
**prano** (-) run to..from..over path..  
**prase** (pra) process, -ceeding thru stages..  
**prati** (rat) price of..to..set by vendor..  
**preni** (-) prisoner of..for act/state..  
**prire** (pri) behind/in back of.. 'rear'  
**prizi** (riz) private to..  
**proju** (pro) produce..by process..  
**proza** (-) prose, be a - work by..
- pruci** (pru) test, a - for..among.. 'proof'  
**prusa** (rus) approve plan/action..by..  
**prutu** (ruu) protest..to..by doing..  
**publi** (pub) public, more - among..than..  
**pubmu** (pum) lead Pb  
**pucto** (puc puo) push..to..from..via..  
**pudja** (-) thumb of..  
**pudru** (pud) powder from source..  
**pulso** (pul) impulse, have an - to do..  
**pundo** (-) pound, weigh.. -s; default 1  
**punfo** (-) be purer than.. 'uniform'  
**puntu** (pun puu) pain, -ed; hurt/feel - in..  
**purcu** (-) poor, -er than..in..  
**purda** (pur pua) word, be the - for..in lang..  
**purfe** (puf pue) perfect by standard..  
**purpu** (pup) purple, more - than..  
**radjo** (-) radio receiver in network..  
**rande** (rad rae) round/circular; a disk/circle  
**ranjo** (-) range to - /extend over..  
**ranta** (ran) rotten, be more - than..  
**rapcu** (-) ripe, -er than..  
**rasto** (ras) brass, made of -  
**ratcu** (rau) rat n.  
**raznu** (raz) reason for..'s doing..under..  
**redro** (red) red, -der than..  
**renro** (ren reo) throw..to/at..  
**resfu** (res ref) garment/clothing 'dress'  
**resra** (-) restaurant of community..  
**resto** (ret) rest/repose/lie down on..  
**retca** (rec rea) differ, be -ent from..in..  
**retpi** (rep) reply..to questioner..  
**revri** (rev rei) dream../that.. 'reverie'  
**ridle** (rid) read..from surface/document..  
**rilri** (rii) regular, more - than..  
**rindi** (-) Amerind person  
**rinje** (rin) ring, be a -/band on/around..  
**rinta** (rit) rhythm, be the - of..  
**rirda** (rir) record of..on medium..  
**ringu** (-) buttock/-s of.. 'rear-end'  
**rismi** (-) rice from source..  
**rispe** (ris) respect..for doing/being..  
**ritco** (ric) right of../-hand side of..  
**ritma** (-) wheat from source..  
**rodja** (roj) grow into..  
**rodlu** (-) road between points..via..  
**rofsu** (rof ros) rough, -er/more abrasive than..  
**rolgu** (rol) roll/-s/be a -er/cylinder  
**romni** (-) Roman person 'Romano'  
**rozme** (-) rose from source..  
**rubli** (-) ruble, worth.. -s; default 1  
**rulni** (rul rui) rule prescribing..to..under..  
**rulpi** (-) rupee, be worth.. -s; default 1

- ruska** (-) Russian language 'Russkii'  
**ruski** (-) Russian person 'Russkii'  
**rusko** (-) Russian culture 'Russkii'  
**rutna** (rut rua) route/path to..from..via pts..  
**sadji** (saj) sage, wiser than..about..  
**sadna** (-) acid -ic  
**sagro** (-) cigar n.  
**sakli** (sak) sack/bag of/containing..  
**sakta** (-) sugar n. 'saccharine'  
**saldi** (sal) solid below temp. & pressure..  
**salfa** (saf) sail of vessel..  
**samto** (sam sao) same, be the - thing as..  
**sanca** (sna) sand from source..  
**sange** (-) suggest action..to..  
**sanpa** (san saa) sign of..to..urging..under..  
**sanla** (-) umbrella n.  
**sanse** (sas sae) sense stimulus..under..  
**santi** (sai) quiet, -er than.. 'silent'  
**sapla** (sap) simple, -er than..in respect..  
**sarni** (sar) sour, more - than..to..  
**satci** (sac) start/origin/beginning of..  
**satro** (sat) stroke/rub..with..  
**sekci** (sec) sexual, behave -ly toward..  
**sekmi** (-) second, lasts.. -s; default 1  
**sekre** (-) secretary of..  
**sekta** (sek) insect n.  
**selji** (sel) self' of../-image of..  
**sensi** (ses) science of/about..  
**sentto** (seo) holy/sacred to.. 'saint'  
**setci** (set sei) set/group of elements..  
**setfa** (sea) put/place/set..on/at.. 'set'  
**sidza** (siz) seed of organism..  
**sigre** (-) cigarette n.  
**siltu** (sil siu) shake/oscillate at rate..  
**simba** (sib) lion n.  
**simci** (sim sii) seem to be..to..under..  
**sinma** (sin) cinema made by..  
**sirna** (sir) certain/sure that..is true  
**sisto** (sis sio) system of function..& parts..  
**sitci** (sic) city with hinterland..  
**sitfa** (sit sif sia) site/place/location of..  
**skaca** (-) Scottish dialect  
**skaci** (-) Scot/-tish person  
**skaco** (-) Scottish culture  
**skafi** (-) coffee n.  
**skalu** (ska) scale measuring..among..  
**skapi** (-) skin/rind/outer covering of..  
**skara** (-) skirt n.  
**skati** (-) sky, an expanse of - at place..  
**skesa** (-) kiss..on..  
**skitu** (ski) sit on..  
**skizo** (kiz) ski n.
- skori** (sko) screw n. a threaded device  
**slano** (sla) slow, -er than..by..  
**sliti** (sli) sweet, -er than..to..  
**slopu** (slo) slope, steeper than..by..  
**sluko** (slu) lock of/on..  
**smano** (sma) smoke from source..  
**smike** (smi) secret, be kept - from..by..  
**smina** (min) mind of..  
**smupi** (smu) smooth, -er than..by..  
**snatu** (-) tin Sn  
**sneku** (sne) neck of..  
**snice** (nic) snow, a quantity/expanse of -  
**snire** (sni) near, -er than..to..by..  
**snola** (sno) entail/implies..under rules..  
**socli** (sol) interact, -s socially with..  
**sofna** (-) sofa n.  
**sokcu** (-) oak from source..  
**solda** (sod) soldier of army..  
**solra** (-) solar pert. to Earth's sun  
**solte** (sot) salt, an amount of -  
**sonda** (son soa) sound, a - emitted by..  
**sonli** (soi) sleep v. be asleep  
**sordi** (sro) store/deposit/reserve of..  
**sorgu** (sog) ear of.. 'aural'  
**sorme** (som soe) sister of..thru.. 'sorority'  
**spadi** (-) mattress/pallet 'pad'  
**spali** (pal) side of..bounded by edges..  
**spana** (-) Spanish language  
**spani** (-) Spanish person  
**spano** (-) Spanish culture  
**spasi** (spa) space/volume occupied by..  
**spebi** (peb) specific to..among..  
**speci** (-) species of genus..  
**speni** (spe) experience.. 'spend'  
**spetu** (-) spit/spittle of..  
**spicu** (spi) spirit/ghost of..seen by..  
**spopa** (spo) hope for../that..happens  
**spori** (-) spring n. an elastic device  
**spuro** (spu) expert/skilled at..under..  
**sputa** (put) spoon n.  
**srisu** (riu) serious, be - about..  
**srite** (sri) write..on surface..  
**stadi** (sta) stage of hall/theater..  
**staga** (-) stalk/stem/trunk of..  
**stali** (tai) stand on..  
**stana** (-) station of transport system..  
**stari** (-) surprise..by.. 'startle'  
**steti** (ste) sentence about..in language..  
**stifa** (-) stiff, -er than..in direction..  
**stire** (tir tie) stairs of structure..  
**stise** (sti) cease/stop doing..  
**stolo** (sto) stay/remain at/with..

- stuci** (stu) story about..told by..  
**stude** (-) student of..at institution..  
**stuka** (-) stick of/made of..  
**stuli** (tui) adjust..for function..  
**suemi** (-) swim to..from..via..  
**sudna** (sua) sudden, be -/abrupt to..  
**suksi** (sku) succeed in..by effort..  
**sulba** (sul) swelling at/in/on..caused by..  
**sulfa** (-) sulfur S  
**sumji** (sum) sum, mathematical - of..plus..  
**sundi** (sud sui) send..to..from...via route..  
**sunho** (sun suo) son of..parents..and..  
**supta** (sup) soup/stew of ingredients..  
**surdi** (sur) south of../a -ern part of..  
**surna** (sru) hurt/harm/injure..at/in..  
**surva** (suv) serve..in/by..; a -ant of..  
**sutme** (sut) smell n. an odor emitted by..  
**takma** (-) attack..with goal..  
**tabko** (-) tobacco n.  
**takna** (tak taa) talk to../speak to..about..  
**talna** (-) Italian language  
**talni** (-) Italian person  
**talno** (-) Italian culture  
**tarci** (tar) star of galaxy..  
**targo** (tag tao) argue with/against..that..  
**tarle** (tal tae) tired by effort..  
**tarmu** (tam tau) weapon for use.. 'arm'  
**tasgu** (-) disgusted, be -ed by..  
**tatro** (tat) theater of community..  
**tcaku** (cak) shock..with/by..  
**tcali** (cal) wall of/around..  
**tcaro** (tea) car/truck; a motor vehicle  
**tcati** (-) tea from source..  
**tcela** (-) wing of..  
**tcena** (-) chain, a length of -  
**tceru** (tce) penetrate..in dir'n.. 'thru'  
**tceti** (-) chest of..; body part  
**tcidi** (-) food, a - of/edible to.. 'feed'  
**tciha** (-) child/offspring/progeny of..  
**tcina** (-) chin of..  
**tciro** (-) mat n.  
**tcoko** (-) chocolate, an am't of - 'cocoa'  
**tcori** (-) authority, be an - in/on/over..  
**tcure** (tcu) picture of..by..  
**tedji** (ted tej tei) attend pay attention to..  
**tekto** (-) architect of..  
**telfo** (-) telephone rec'r in network..  
**telvi** (-) television rec'r in network..  
**tenri** (ten) increase by..in..during..  
**tenta** (-) tent, a fabric dwelling of..  
**tepli** (tep) temple/church of religion..  
**terla** (tel) terrestrial, pert. to Earth  
**testi** (-) testicle of.. 'testes'  
**tetcu** (tec teu) stretch to length..from..  
**tetri** (tet) weather of place/region..  
**tidjo** (tid tio) heavy, -ier than..by..in f'ld..  
**tifru** (tiu) offer..to..for use..  
**tigra** (-) tiger n.  
**tilba** (-) tail of..  
**tinmo** (tin) ink, an amount of -  
**tirca** (tic) wire, a length of -  
**tisra** (tia) choose/select..from set..  
**titci** (tci) eat v.t.  
**titfa** (-) breast of.. 'teat'  
**tobme** (tob toe) table n.  
**tocki** (-) key, a - to lock..  
**togri** (tog toi) agree with..about/that..  
**tokna** (toa) take..away from..  
**tokri** (-) chalk from source..  
**tomki** (tok) automatic in function..  
**tomto** (-) tomato from source..  
**tongu** (-) tongue of..; body-part  
**torni** (ton) twist under load.. 'torque'  
**tosku** (-) skull of..  
**totco** (teo) touch..with..  
**totnu** (tot) thick, -er than..by.. 'stout'  
**tovru** (tov) over/vert'ly above..in field..  
**traci** (rac) travel to..from..via route..  
**tradu** (tra) true by rule/standard..  
**trali** (-) tray of/containing..  
**trana** (tan) turn/rotate around axis..  
**trati** (rai) try to do/attain..by..  
**trece** (-) interest/-s../be -ing to..in..  
**trellu** (rel reu) rail n. -ing/bar  
**trena** (tre) train of system..  
**tricu** (tri) tree n.  
**trida** (-) street of..  
**trili** (til) attract..by doing/being..  
**trime** (rim rie) tool for doing.. 'instrument'  
**troku** (tro) rock/stone from source..  
**trolli** (tol) control..in performance..  
**troti** (-) trot to..from..; trotter  
**trufa** (ruf) roof of..  
**truke** (tru) structure of..  
**tsani** (-) sneeze v.i.  
**tsero** (tse) error in..by standard..  
**tsime** (tsi) crime punished by..among..  
**tsodi** (-) hate..for doing/being..  
**tsufi** (tsu) sufficient/enough for..  
**tubli** (tub) tube, a length of -ing  
**tugle** (tul tue) leg of..; body-part  
**tulpi** (-) tulip from source..  
**turka** (tur tua) work on/at..with goal..  
**vaksi** (-) vaccine against disease..in..

<b>valda</b> (vad) develop into/toward..; v.i.	<b>visra</b> (-) gut of.. 'viscera'
<b>valna</b> (van vaa) violent in response to..	<b>vizka</b> (viz vik via) see..against.. 'vision'
<b>valpu</b> (vap) wave in medium..	<b>vlaci</b> (-) wash..in..
<b>vamtu</b> (-) vomit../throw..up on..	<b>vlako</b> (vla) lake of landmass..
<b>vapro</b> (vao) gas, -eous above temp.. 'vapor'	<b>volsi</b> (vol voi) voice of individual..
<b>vatlu</b> (vat vau) value of..to..for use..	<b>volta</b> (-) volt, have..-s e.m.f.; def't 1
<b>vedma</b> (ved vea) sell..to..for price.. 'vend'	<b>valti</b> (val vai) vault/jump over/across..
<b>vegri</b> (-) green, -er than..	<b>vrano</b> (-) liver of..
<b>vendu</b> (ven veu) poison, -ous to.. 'venom'	<b>vreti</b> (vre) vertical in gravity field..
<b>veslo</b> (veo) vessel of/containing..	<b>vrici</b> (vri) river of landmass..
<b>vetci</b> (vet vei) happen/occur to.. 'event'	<b>zakra</b> (-) grind..into powder.. 'crush'
<b>vetfa</b> (-) invent..for use..	<b>zavlo</b> (zav zao) bad, worse than..for.. 'evil'
<b>vidju</b> (vij viu) view of..from point..	<b>zavno</b> (zan) oven of..
<b>vidre</b> (vid vie) idea about..by thinker..	<b>zbuma</b> (zbu) explode into.. 'boom'
<b>vinjo</b> (vin) wine, an amount of -	<b>zinko</b> (-) zinc Zn
<b>virsa</b> (vir) verse, a poem by..	<b>zlupi</b> (-) lip of..
<b>virta</b> (vit) ad for..in medium.. 'advertise'	<b>zvoto</b> (zvo) out/-side of/exterior to..

**LIST 2. PRIMITIVE PREDICATES, E-L**  
(Sorted by English)

account bill for..to..by.. **kanti** (-)  
acid -ic **sadna** (-)  
across ..from.. **karsa** (kas)  
act do..with goal.. **kakto** (kak kao)  
ad for..in medium.. 'advertise' **virta** (vit)  
adjust ..for function.. **stuli** (tui)  
adorn ../be an -ment of.. **durna** (dun dua)  
affair of/involving.. **ferci** (fei)  
again a recurrence of.. **genza** (gen gea)  
agree with..about/that.. **togri** (tog toi)  
air a quantity of - **kerti** (ker)  
American culture **merko** (-)  
American dialect of English **merka** (-)  
American person **merki** (-)  
Amerind person **rindi** (-)  
amused be - by../by doing.. **cmiza** (cmi)  
angle between pts.. 'jagged' **jaglo** (jag jao)  
angry at..for.. 'growl' **groci** (roi)  
animal n. **nimla** (nim nia)  
ant of hill/colony.. **manti** (-)  
anus of.. **gasno** (gas gao)  
apart separate from.. **narti** (-)  
apparatus device for doing.. **patce** (pac pae)  
apple from source.. **pligo** (-)  
approve plan/action..by.. **prusa** (rus)  
arch over/be an - over.. **farka** (-)  
architect of.. **tekto** (-)  
argue with/against..that.. **targo** (tag tao)  
arm of.., body-part **barma** (bar baa)  
army of.. **narmi** (-)  
art of making..among.. **larte** (lar lae)  
ashamed of doing/being.. **comtu** (com cot cou)  
attack ..with goal.. **takma** (-)  
attend pay attention to.. **tedji** (ted tej tei)  
attract ..by doing/being.. **trili** (til)  
authority be an - in/on/over.. **teori** (-)  
automatic in function.. **tomki** (tok)  
average the - ..of.. 'normal' **norma** (nom noa)  
awake be - **cidja** (cid)  
bad worse than..for.. 'evil' **zavlo** (zav zao)  
balance -d under forces.. **balpi** (bal)  
balcony of building.. **balko** (-)  
ball sphere n., spherical a. **balma** (bam)  
banana from source.. **banla** (-)  
band orchestra of players.. **bendu** (ben beu)  
bank of community.. **banko** (-)

bar tavern of community.. **barcu** (-)  
base foundation/basis of.. **basni** (bas)  
basket of/containing.. **banse** (-)  
bathe in.. **banci** (ban)  
bay of coast.. **banbe** (-)  
be purer than.. 'uniform' **punfo** (-)  
be real/exist for..under.. **dzabi** (dza)  
beautiful more - than.. **bilti** (bil bii)  
bed n. **bedpu** (bed)  
bee n. **bifei** (-)  
beefsteak an amount of - **bifte** (-)  
beer an amount of - **birsu** (-)  
beg request..of/from.. **begeo** (beg beo)  
behave ..under.. **bivdu** (biv bid biu)  
behind in back of.. 'rear' **prire** (pri)  
believe ..about.. 'creed' **krido** (kri)  
bell producing sound/note.. **bekli** (bel)  
belly abdomen of.. **beldu** (-)  
beneath vertically below..in.. **nilca** (-)  
bent more -/crooked than.. **betcu** (bet)  
between ..and.. 'beside' **bitsa** (bit bia)  
big -ger than..by.. 'gross' **groda** (gro)  
billiards play - with.. **bilra** (-)  
billion -fold of.. 'giga-' **gigdo** (gig)  
billionth -part of.. 'nano-' **nanti** (nan)  
bird n. **nirda** (-)  
bite ..on/at.. **ditka** (dit)  
bitter more - than..to.. **kutra** (-)  
black -er than.. **nigro** (nig)  
blade of tool/weapon.. **blada** (bla)  
block of material.. **bloku** (-)  
blood of organism.. **bludi** (blu)  
blouse n. **blusa** (-)  
blue -r than.. **blanu** (-)  
board of material.. **barta** (-)  
boat n. **botsu** (bot bou)  
body of.. 'corpus' **korti** (kor)  
boil at temperature.. **bulju** (buj)  
bomb n. **bomba** (-)  
bone of.. **bongu** (bon)  
book about..by.. **bukeu** (buk buu)  
boot n. **butpa** (-)  
born be - to.. **brana** (bra)  
bottle of/containing.. **batpi** (bap)  
bough limb/branch of.. **badjo** (baj)  
bow for arrows.. **borku** (bor)  
box of/containing.. **bakso** (bao)  
boy n. **botei** (boi)  
brain of.. **berna** (-)  
brake of.. **breko** (rek)  
brass made of - **rasto** (ras)  
brave -er than..under.. **briga** (rig ria)

- bread an amount of.. breba (reb)  
break into pieces.. broko (bro)  
breast of.. 'teat' titfa (-)  
breathe v.t. brute (rue)  
breeze wind from.. brize (bri)  
brick n. briku (rik)  
bridge over/across.. cibra (-)  
brilliant brighter than..by.. brili (ril)  
broad be -er/wider than..by.. kubra (kub)  
broken inoperable broda (rod)  
brooch n. bruci (-)  
brother of..through.. brudi (bru)  
brown -er than.. brona (-)  
brush n. brocu (roc rou)  
bucket pail of/containing.. bakto (bak)  
build ..from materials.. balci (bac bai)  
bulb of plant/species.. bulbi (bul bui)  
bundle package of/containing.. badlo (bad)  
burn at temperature.. cabro (cab cao)  
butter an amount of - batra (-)  
buttock -s of.. 'rear-end' rirgu (-)  
button of.. botni (-)  
cabaret night-club of.. kabre (-)  
cabin of.. kabni (-)  
cafe of community.. ekafe (-)  
cake n. 'gateau, torte' grato (-)  
camel genus Camelus camle (-)  
camera n. kamra (kar)  
camp of..at.. kampo (-)  
can be able to do..under.. kanmo (kan)  
canal between points..via.. kanla (-)  
cane n. rod/staff kanra (-)  
cap n. hat kapma (-)  
captain of.. kapta (-)  
car -/truck, a motor vehicle tearo (tea)  
carbon C carbo (car)  
card n. karda (-)  
care for/take - of.. kerju (kej keu)  
carry ..to..from.. 'bear' berti (ber bei)  
cart carriage/wagon karti (-)  
cat n. a feline animal katma (-)  
cause -/be a - of..under.. ckozu (cko)  
cave cavity/cavern in.. kuvla (-)  
cease stop doing.. stise (sti)  
certain sure that..is true sirna (sir)  
chain a length of - tcena (-)  
chair n. cersi (cei)  
chalk from source.. tokri (-)  
chance random under.. canse (can cae)  
change into/become..from.. cenja (cej cea)  
chart map of..by.. cartu (cat)  
cheese from source.. 'curd' nikri (nik)
- chemical a pure instance of.. kemdi (kem)  
chest of.., body part teeti (-)  
chief of..for activity.. cefli (cef)  
child offspring/progeny of.. tciha (-)  
chin of.. tcina (-)  
Chinese culture 'Zhungwo' jungo (-)  
Chinese language 'Zhungwo' junga (-)  
Chinese person 'Zhungwo' jungi (-)  
chlorine Cl clori (clo)  
chocolate an am't of - 'cocoa' tcoko (-)  
choose select..from set.. tisra (tia)  
cigar n. sagro (-)  
cigarette n. sigre (-)  
cinema made by.. sinma (sin)  
city with hinterland.. sitci (sic)  
class of..with property.. klesi (kle)  
clean -er than.. klini (-)  
clear -er than.. kliri (kli)  
clock n. jokla (jok)  
close be -d, as of a door klogu (klo)  
cloth an amount of - klabu (kla)  
cloud of airmass.. klada (-)  
coal an amount of - kolme (-)  
coat n. kosta (-)  
coffee n. skafi (-)  
cold -er than..by.. kleda (-)  
collar of garment.. kalra (-)  
color be a - perceived by.. kolro (kol koo)  
comb n. komeu (kom)  
come from..to..via.. kamla (kam kaa)  
comfortable be more - than..to komfu (kof kou)  
comic be funny to..in.. kamki (-)  
committee of..with task.. kamti (-)  
common to/universal in set.. kumtu (kum kuu)  
community of organisms.. munce (mun)  
company chartered by..for.. kompi (-)  
compare ..with..in.. kambi (-)  
compete with..over.. kanpi (-)  
complete by standard.. kapli (kal)  
conscious be -/aware of.. kance (kac kae)  
consul of..in.. konsu (kos)  
control ..in performance.. trolu (tol)  
cook ..for.. kokfa (kok)  
copper Cu cupri (cup)  
copulate with.. 'coitus' kitsa (-)  
copy of.. kopea (kop)  
cord rope/an amount of -age korce (koc koe)  
cork from source.. korka (-)  
correct by standard.. dreti (dre)

<u>costly</u> more - than..for.. <u>kusti</u> (-)	<u>down</u> lower than..by..in f'ld.. <u>damni</u> (dam)
<u>cotton</u> from source.. <u>katna</u> (-)	<u>drain</u> of..into.. <u>godru</u> (-)
<u>cough</u> up/out.. <u>kafso</u> (-)	<u>drawer</u> of/containing.. <u>drara</u> (-)
<u>count</u> the number in set.. <u>konte</u> (kon)	<u>dream</u> ../that.. 'reverie' <u>revri</u> (rev rei)
<u>country</u> of people.. <u>gunti</u> (gun gui)	<u>dress</u> gown/frock <u>cadre</u> (-)
<u>cover</u> ../be a - of.. <u>kuvga</u> (kuv kua)	<u>drink</u> ..from.. <u>hompi</u> (hom hoi)
<u>cow</u> cattle 'kine' <u>kasni</u> (-)	<u>drive</u> make..go to..from.. <u>krani</u> (-)
<u>crack</u> be a -/fissure in.. <u>karku</u> (-)	<u>drop</u> of liquid.. <u>drida</u> (-)
<u>crazy</u> insane/mad 'frenzy' <u>frelu</u> (-)	<u>dry</u> -er than..by.. <u>drani</u> (dra)
<u>cream</u> from source.. <u>krima</u> (-)	<u>dupe</u> deceive/trick..about..by. <u>dupma</u> (dup)
<u>credit</u> ..with..under.. <u>kredi</u> (-)	<u>dust</u> n. <u>dustu</u> (dus)
<u>crime</u> punished by..among.. <u>tsime</u> (tsi)	<u>ear</u> of.. 'aural' <u>sorgu</u> (sog)
<u>cruel</u> be - to.. <u>kruli</u> (-)	<u>earn</u> ..for work/service.. <u>jurna</u> (-)
<u>cry</u> cry out, v.i. <u>kraku</u> (kra)	<u>east</u> of../an -ern part of.. <u>lesta</u> (les)
<u>culture</u> of people(s).. <u>kultu</u> (kul)	<u>easy</u> for..under.. 'facile' <u>fasru</u> (fas)
<u>cup</u> of/containing.. <u>kupta</u> (kup)	<u>eat</u> v.t. <u>titei</u> (tei)
<u>curtain</u> of/across aperture.. <u>kurti</u> (-)	<u>edge</u> of..between.. <u>bidje</u> (bie)
<u>curve</u> through pts.. <u>korva</u> (kov koa)	<u>egg</u> of/from source.. <u>negda</u> (neg)
<u>cushion</u> pillow 'padded' <u>padzi</u> (paz)	<u>elastic</u> more - than.. <u>lasti</u> (las)
<u>custom</u> habit of..under.. <u>kusmo</u> (kus kuo)	<u>electric</u> - charge on.., -ity <u>lenki</u> (lek)
<u>cut</u> ..into pieces.. <u>kutla</u> (klu)	<u>end</u> of thing/process.. 'final' <u>fando</u> (fad fao)
<u>dance</u> to.. <u>danse</u> (-)	<u>enemy</u> of..in struggle.. <u>nemdi</u> (-)
<u>danger</u> -ous to..under.. <u>denro</u> (den)	<u>energy</u> have more - than..by.. <u>nerji</u> (nej)
<u>dark</u> -er than..by.. <u>draka</u> (rak)	<u>English</u> culture <u>gleco</u> (-)
<u>daughter</u> of..and.. <u>detra</u> (det dea)	<u>English</u> language <u>gleca</u> (-)
<u>day</u> -time of day.. 'daily' <u>denli</u> (del dei)	<u>English</u> person <u>gleci</u> (-)
<u>dead</u> a. 'mortal' <u>morto</u> (mor)	<u>entail</u> implies..under rules.. <u>snola</u> (sno)
<u>dear</u> precious to.. <u>dipri</u> (dip)	<u>equal</u> ..in/on dimension.. <u>ciktu</u> (cik ciu)
<u>decide</u> ../to do..about.. <u>disri</u> (dii)	<u>error</u> in..by standard.. <u>tsero</u> (tse)
<u>deep</u> -er than..by.. <u>condi</u> (con)	<u>example</u> of.. <u>mipli</u> (mip mii)
<u>delicious</u> more - than..to.. <u>dilko</u> (-)	<u>experience</u> v.t. 'spend' <u>speni</u> (spe)
<u>design</u> be a plan for..by.. <u>danci</u> (dan dai)	<u>expert</u> skilled at..under.. <u>spuro</u> (spu)
<u>desire</u> want..for.. <u>danza</u> (daa)	<u>explode</u> into.. 'boom' <u>zbuma</u> (zbu)
<u>destroy</u> v.t. <u>hutri</u> (hut hui)	<u>eye</u> of.. <u>menki</u> (mek)
<u>detail</u> of.. <u>citlu</u> (cil)	<u>face</u> of.. <u>fasli</u> (-)
<u>develop</u> into/toward.., v.i. <u>valda</u> (vad)	<u>fact</u> about..observed by.. <u>fekto</u> (fek feo)
<u>differ</u> be -ent from..in.. <u>reteca</u> (rec rea)	<u>fail</u> to do/be..under.. <u>falba</u> (fab faa)
<u>difficult</u> for..under.. 'hard' <u>nardu</u> (nau)	<u>fall</u> to..from.. 'fell' <u>felda</u> (fel fed fea)
<u>dig</u> ..up out of.. <u>pakko</u> (-)	<u>false</u> by standard.. <u>falji</u> (fal fai)
<u>digest</u> .., v.t. <u>djesi</u> (-)	<u>family</u> with members.. <u>famji</u> (fam)
<u>direction</u> be in - ..from.. <u>dirco</u> (dir dio)	<u>famous</u> for..among.. <u>famva</u> (-)
<u>dirt</u> soil/earth from/of.. <u>dertu</u> (der deu)	<u>far</u> -ther than..from..by.. <u>darli</u> (dar)
<u>discover</u> ..about.. <u>duvri</u> (duv dui)	<u>farm</u> of community.. <u>fanra</u> (fan)
<u>discuss</u> ..with.. <u>dislu</u> (diu)	<u>fat</u> plumper/stouter than.. <u>fotpa</u> (-)
<u>disgusted</u> be -ed by.. <u>tasgu</u> (-)	<u>father</u> of..out of mother.. <u>farfu</u> (fra far)
<u>distribute</u> share..out among.. <u>petri</u> (-)	<u>fear</u> be afraid of/that.. <u>firpa</u> (fir fia)
<u>do</u> ..to.. <u>durzo</u> (dru dur duo)	<u>feather</u> of.. 'plume' <u>pluma</u> (lum lua)
<u>doctor</u> -s..for..with.. 'cure' <u>kiemu</u> (kic kiu)	<u>feces</u> of.. 'stool' <u>etuda</u> (ctu)
<u>dog</u> n. 'canine' <u>kangu</u> (kau)	<u>feeble</u> weaker than..by.. <u>fibru</u> (fib)
<u>dollar</u> be worth..-s, default 1 <u>dalra</u> (-)	<u>feel</u> ..about.. <u>filmo</u> (fil fio)
<u>door</u> of/in.. <u>darto</u> (dao)	<u>female</u> of species.. <u>femdi</u> (fem)
<u>doubt</u> that..is true of.. <u>dutci</u> (dut)	<u>fertile</u> more - than..for.. <u>ferti</u> (fet)

- fiction a work of - by.. **fikeo** (fik)  
field of farm/community.. **fildi** (fii)  
fight ..over.. 'combat' **kamda** (kad)  
finger of.. 'digit' **dedjo** (ded dej)  
fire be a - in.. **fagro** (fag)  
fish n. **fieli** (fic)  
fix ..for use/user.. **nakso** (-)  
flag of.. **flaci** (-)  
flame of fire/device.. **flami** (fla)  
float on/in.. **flofu** (-)  
floor of.. **fordi** (-)  
flow current from..to..'crawl' **kroli** (kro)  
flower of plant.. **flora** (lor loa)  
fly n. **flaki** (-)  
fly to..from..via.. **fleti** (fle)  
fog be -gy/covered by - **fragu** (rag)  
fold .. ..times, v.t. **foldi** (fod)  
fond be -er of/prefer..to.. **fundi** (-)  
food a - of/edible to.. 'feed' **tcidi** (-)  
fool be -ish about.. 'boob' **bunbo** (bun)  
foot of.. **fitpi** (fit fip)  
football -er/play - with.. **futbo** (-)  
force compel..to do/be.. **fosli** (fos foi)  
fork n. **forka** (-)  
form shape of.. **forma** (fom foa)  
frame of/around.. **frama** (ram)  
franc be worth.. -s, default 1 **fraki** (-)  
free to do/be.. **frezi** (rez)  
French culture 'Francais' **fraso** (-)  
French language 'Francais' **frasa** (-)  
French person 'Francais' **frasi** (-)  
frequent more - than..under.. **pifno** (pif pio)  
fresh -er than.. **frese** (-)  
friend of.. **fremi** (rem)  
front be in - /ahead of.. **frena** (fre)  
fruit of.. **fruta** (fru)  
full -er than..by.. **folma** (flo)  
future after/later than.. **futei** (fut fuc fui)  
garden of family/community.. **gardi** (-)  
garment clothing 'dress' **resfu** (res ref)  
gas -eous above temp.. 'vapor' **vapro** (vao)  
German culture 'Deutsch' **dotco** (-)  
German language 'Deutsch' **dotca** (-)  
German person 'Deutsch' **dotci** (-)  
get ..from..for.. **getsi** (get gei)  
girl n. **nirli** (nil)  
give ..gift.. 'donate' **donsu** (don dou)  
glass made of - **gliso** (-)  
glove n. **gluva** (-)  
go to..from..via.. **godzi** (god goz goi)  
goat n. **gotca** (goa)  
god of people(s).. **gandi** (gad)
- good better than..for.. **gudbi** (gud gub)  
govern rule over/-or of.. **garni** (gar gai)  
grab seize..with.. **jugra** (jug jua)  
grain from source.. **grunu** (run)  
gram weigh.. -s, default 1 **gramo** (-)  
grass a blade/expanse of - **grasa** (raa)  
grateful be - to..for.. **garti** (gat)  
grease fat/oil, an amount of **gresa** (gre)  
great -er than.. 'grand' **grada** (gra)  
green -er than.. **vegri** (-)  
grey -er than.. **grisi** (-)  
grind ..into powder.. 'crush' **zakra** (-)  
group with members.. **grupa** (gru)  
grow into.. **rodja** (roj)  
guide ..to..from..via.. **glida** (gli)  
gummy adhere/stick to.. **gomni** (gom)  
gut of.. 'viscera' **visra** (-)  
gymnast at feat.. **gimna** (-)  
hair of.. **herfa** (her)  
hammer n. **mroza** (roz roa)  
hand of.. **hanco** (han)  
hang from.. 'pendulum' **pendi** (ped)  
happen -/occur to.. 'event' **vetci** (vet vei)  
happy about.. **hapci** (hap hai)  
harbor shelter for..from.. **harko** (har hao)  
hard more resistant than.. **hardu** (had)  
harmonious with..to.. **harmo** (ham)  
hate ..for doing/being.. **tsodi** (-)  
head of.., body-part **hedto** (hed)  
hear ..over noise.. **hirti** (hir)  
heart of.. 'cardiac' **karci** (-)  
heavy -ier than..by..in f'ld.. **tidjo** (tid tio)  
help ..do.. **helba** (hel hea)  
here attend/be present at.. **hijra** (hia)  
high -er than..by..in field.. **ganta** (gan gaa)  
Hindi language **hinda** (-)  
history of..by.. **cisti** (cis)  
hit ..with.. 'blow' **bloda** (blo)  
hole pit/depression in.. **holdu** (hol hou)  
holy sacred to.. 'saint' **sento** (seo)  
honest with..about.. **nesta** (nes)  
hook n. 'crook' **gokru** (gok)  
hope for../that..happens **spopa** (spo)  
horn of.., body part **horno** (-)  
horse n. **horma** (hor hoa)  
hose stocking/sock **hozda** (-)  
hospital of community.. **hospi** (hos)  
hot -ter than..by.. **hatro** (hat)  
hotel of community.. **hotle** (-)  
hour last.. -s, default 1 **jorto** (jor joo)  
house a dwelling/home of.. **hasfa** (has haf haa)

human be -/a - being humni (hum hun)  
hundred -fold of.. 'hecto-' hekto (hek)  
hundredth -part of.. 'cent' centi (cen)  
hunt game/quarry.. janto (jan)  
hurt harm/injure..at/in.. surna (sru)  
hydrogen H hidro (hid)  
ice an amount of - bisli (bis)  
idea about..by thinker.. vidre (vid vie)  
important to..in/for.. djipo (jip jio)  
impulse have an - to do.. pulso (pul)  
in -side/interior of.. 'inner' nenri (nen nei)  
increase by..in..during.. tenri (ten)  
Indian culture 'Hindi, Hindu' hindo (-)  
Indian person 'Hindi, Hindu' hindi (-)  
industry producing..among.. gotri (got)  
infant baby of.. cinta (cin)  
inflate ..with..to dimension.. flati (-)  
ink an amount of - tinmo (tin)  
insect n. sekta (sek)  
insure ..against..for fee.. curdi (-)  
interact -s socially with.. socli (sol)  
interest -s../be -ing to..in.. treci (-)  
invent ..for use.. vetfa (-)  
iron Fe fernu (fen feu)  
island in sea.. cilda (-)  
Italian culture talno (-)  
Italian language talna (-)  
Italian person talni (-)  
Japanese culture 'Nippon-jin' ponjo (-)  
Japanese language 'Nippon-jin' ponja (-)  
Japanese person 'Nippon-jin' ponji (-)  
jelly an amount of - dzeli (dze)  
jewel in/of jeweled object.. djula (jul)  
join be -ed to..at.. djine (dji)  
judge ..to be.., be a - djudi (dju)  
keen -er/sharper than.. kinku (kik)  
keep retain.. klipu (-)  
kettle of/containing.. ketli (ket)  
key a - to lock.. tockli (-)  
kick v.t. kekti (-)  
kind be - to.. ckano (cka)  
kiss ..on.. skesa (-)  
knife n. najda (naj)  
knot in/between.. nanda (-)  
know ..about.. djano (dja)  
lake of landmass.. vlako (vla)  
land a parcel/expanse of - landi (lan lai)  
language of people(s).. lengu (len leu)  
laugh at.. clafo (-)  
law against..by..under.'legal' lilfa (lil)  
lead Pb pubmu (pum)  
leaf of plant.. clife (lif)

lean thinner than..by.. linco (lic)  
learn ..from source.. cirna (cir cia)  
leather skin/hide from..'pelt' pelpi (-)  
left of../-hand side of.. ledzo (lez)  
leg of.., body-part tugle (tul tue)  
lens of system.. lenzo (leo)  
let permit..do..under.. letci (let lei)  
letter -al in character-set.. letra (lea)  
letter to..from..about.. lerci (ler)  
level in gravity field.. lelpi (lel lep)  
lift ..to..from..in field.. lufta (-)  
light -er than..by..in field.. latci (-)  
light from source..on.. litla (lit)  
lightning from..to.. ledri (led)  
like similar to..in.. clika (cli)  
likely -ier than..under.. dakli (dak)  
limit of.. limji (lim lij)  
line through points.. clina (lin lia)  
linen from source.. linbu (-)  
lion n. simba (sib)  
lip of.. zlupi (-)  
liquid from temp..to.. 'fluid' flidu (fli)  
liquor distilled spirits likro (lio)  
list of set..in order.. lista (lis)  
live be alive clivi (liv lii)  
liver of.. vrano (-)  
local to../confined to.. lokli (loi)  
lock of/on.. sluko (slu)  
logic for getting..from.. lodji (lod)  
Loglan language logla (log)  
Loglander person logli (-)  
Loglandic culture loglo (-)  
long -er than..by.. langa (lag laa)  
look at.. bleka (ble)  
lose person/thing.. dirlu (-)  
loud -er than..by.. clado (cla)  
louse n. ladzo (-)  
love v.t. cluva (clu)  
lunar pert. to Earth's moon lunra (lun)  
machine for use/function.. matei (mac mai)  
magic -ian, do - before.. madji (maj)  
magnet n., -ic a. magne (-)  
maize corn from source.. misme (-)  
make ..out of.. 'made' madzo (mad mao)  
male of species.. 'men' mendi (men)  
man n. 'men' mrenu (mre)  
manage function..in.. mande (-)  
mark be a - on..made by.. marka (mra mar)  
mark be worth.. -s, default 1 makri (-)  
market of community.. 'mart' marTE (mae)  
marry be -ied to.., spouse merji (mer)  
mat n. teiro (-)

- match incendiary device metca (-)  
mattress pallet 'pad' spadi (-)  
meal composed of dishes.. milfa (mia)  
measure ..to be..on scale.. merli (mel mei)  
meat from source.. mitro (mit mio)  
meet encounter..at/in.. jmite (jmi)  
melon from source.. melno (-)  
member of set/group.. 'join' djori (djo)  
metal be -ic/made of - metli (met)  
meter be.. -s long, default 1 metro (meo)  
middle at the center of.. midju (mid mij)  
mild be gentle to/with.. mildo (-)  
mile be.. -s long, default 1 marli (-)  
military of.. 'militia' bilca (bic)  
milk from source.. malna (man)  
mill of community.. molci (-)  
million -fold of.. 'mega-' megdo (meg)  
millionth -part of.. 'micro-' mikti (mik)  
mind of.. smina (min)  
mineral ore from source.. minku (miu)  
minute lasts.. -s, default 1 mintu (-)  
mixture of ingredients.. miksa (mis)  
money issued by.. cmeni (cme)  
monkey n. murki (muk)  
month of year.. 'menses' mensa (mea)  
more exceeds..in prop'ty..by.. mordu (mro mou)  
morning of day.. monza (moz)  
mother of..by father.. matma (mat mam maa)  
motive for..to do..under.. modvi (mov moi)  
motor n. motci (moc)  
mountain of landmass.. monca (mon moa)  
mouth of.. manko (mak)  
move to..from..over path.. muvdo (muv muo)  
much more extreme than..in.. mutce (mut muc mue)  
muscle of.. muslo (mus)  
music by composer.. muzgi (muz mui)  
nail n. naldi (nal)  
name of..to/used by.. namci (nam)  
narrow -er than..by.. janro (jar)  
nation of people.. 'polity' poldi (pod)  
natural not caused by man natra (nar naa)  
near -er than..to..by.. snire (sni)  
neat -er than.. nitei (nit)  
necessary for process.. nerbi (neb)  
neck of.. sneku (sne)  
need ..for.. cnida (cni)  
needle n. nidla (-)  
nerve of.., body-part 'neuro-' murvi (nuv)  
nervous about.. 'nervy' nervo (nev)
- nest of.. nensu (-)  
net n. netre (net)  
neutral in fight..between.. nutra (-)  
new to..in feature.. cninu (cnu)  
news about..from source.. nuzvo (nuz)  
next to.. nedza (ned nea)  
nickel Ni nikle (-)  
night -time of day.. natli (nat nai)  
nitrogen N nitro (-)  
north of..a -ern part of.. nordi (nod)  
nose of.. nazbi (-)  
now simultaneous with.. nadzo (naz nao)  
number n. numcu (num nuu)  
nut of plant.. 'kernel' krinu (-)  
oak from source.. sokcu (-)  
object enduring in space-time bekti (bek)  
offer ..to..for use.. tifru (tiu)  
office of.. fusto (-)  
old -er than..by.. laldo (lal)  
open be -/not shut kapni (kap)  
operate ..with goal.. bapra (-)  
opine think..true of.. jupni (jui)  
oppose ..on issue.. pozfa (poz)  
opposite from..in quality.. bufpo (buf)  
orange be more - than.. norji (-)  
order command..to do.. korji (koj koi)  
ordinary more - than..in.. danri (-)  
organize ..into..for.. ganli (gal)  
other not same as.. 'not be' notbi (not)  
out -/-side of/exterior to.. zvoto (zvo)  
oven of.. zavno (zan)  
over vert'ly above..in field.. tovru (tov)  
owe ..to..for.. 'debt' djeta (jet)  
own ..under law/custom.. ponsu (pon pou)  
page of document.. pidri (-)  
pain -ed, hurt/feel - in.. puntu (pun puu)  
paint n. pinti (pin)  
pan n. panba (pan)  
panic be -ked by.. panki (-)  
pants trousers pantu (-)  
paper n. papre (pre)  
parallel to.. pirle (pie)  
parent is a - of..by.. penre (-)  
part of whole.. parti (par pai)  
passport issued to..by..for.. paspo (-)  
past before.., default now pasko (pas pak pao)  
paste n. pasti (-)  
pause wait for..before.. pazda (pad)  
pay ..to..for goods/service.. petci (pec)  
peace be at - with.. pismi (pis)  
pear from source.. perli (-)  
pen writing instrument penbi (-)

- pencil n. pinsi (-)  
penetrate ..in dir'n.. 'thru' tceru (tce)  
penis of.. pingu (-)  
perfect by standard.. purfe (puf pue)  
person -/people pernu (per peu)  
pertain to../concern.. perti (pei)  
peseta be worth.. -s, def't 1 pesta (-)  
peso be worth.. -s, default 1 pesro (-)  
physical non-mental fizdi (fiz fid)  
picture of..by.. tcure (tcu)  
piece of.. pisku (piu)  
pig n. 'pork' porju (poj)  
pin n. pinda (pid)  
plane through pts., flat pilno (pil)  
plant n. 'herb' herba (heb)  
plate n. plata (pla)  
play with.. pleci (ple)  
please ..by.. pluci (plu)  
plow n. plado (lad)  
pocket of garment.. packe (-)  
point be a/the - of.. penta (pet pea)  
poison -ous to.. 'venom' vendu (ven veu)  
polish n. palei (-)  
poor -er than..in.. pureu (-)  
possible under conditions.. blicu (bli)  
post mail..to..from..by.. posta (pot)  
pot n. patpe (pat)  
potato from source.. palto (-)  
pound be worth.. -s, default 1 pandi (-)  
pound weigh.. -s, default 1 pundo (-)  
powder from source.. puclu (pucl)  
power -ful, have - over.. porli (por poi)  
price of..to..set by vendor.. prati (rat)  
print v.t., - ..on.. capri (cap)  
prisoner of..for act/state.. preni (-)  
private to.. prizi (riz)  
problem to..in doing task.. nable (nab)  
process -ceeding thru stages.. prase (pra)  
produce ..by process.. proju (pro)  
product of..multiplied by.. jalti (jai)  
profit be the - to..from.. prali (ral)  
prose be a - work by.. proza (-)  
protest ..to..by doing.. prutu (ruu)  
public more - among..than.. publi (pub)  
pull ..to..from.. cpula (cpu)  
pump for -ing..from..into.. dampa (-)  
punish ..for..by doing.. kasfa (kaf)  
purple more - than.. purpu (pup)  
push ..to..from..via.. pucto (puc puo)  
put place/set..on/at.. 'set' setfa (sea)  
quality have -/feature.. katli (kat kai)  
quantity of..on scale.. canli (cna cai)
- question about..by..to.. kenti (ken)  
quick be faster than..by.. kukra (kuk)  
quiet -er than.. 'silent' santi (sai)  
radio receiver in network.. radjo (-)  
rail n. -ing/bar treclu (rel reu)  
rain be -ed on by.. crina (cri)  
range to - /extend over.. ranjo (-)  
rat n. ratcu (rau)  
ratio of..divided by.., math. brato (rao)  
ray from energy source.. kreni (kre)  
read ..from surface/document.. ridle (rid)  
ready for.. brecli (bre)  
reason for..'s doing..under.. raznu (raz)  
record of..on medium.. rirda (rir)  
red -der than.. redro (red)  
regular more - than.. rilri (rii)  
related to..by relation..'kin' kunci (kuc kui)  
religion of people(s).. lidji (lid)  
remember ..about.. driki (dri)  
reply ..to questioner.. retpi (rep)  
reply to..with response.. dapli (-)  
represent ..in/under.. dilri (-)  
respect ..for doing/being.. rispe (ris)  
respond ..to..under.. ponda (poa)  
responsible for..to.. daspa (das dap)  
rest repose/lie down on.. resto (ret)  
restaurant of community.. resra (-)  
restrain keep..from doing.. litnu (liu)  
reverse of..in - order from.. fanve (fav)  
reward ..for..with.. barda (-)  
rhythm be the - of.. rinta (rit)  
rice from source.. rismi (-)  
rich wealthier than..in.. fulri (-)  
right of../-hand side of.. ritco (ric)  
ring be a -/band on/around.. rinje (rin)  
ripe -er than.. rapcu (-)  
river of landmass.. vrici (vri)  
road between points..via.. rodclu (-)  
rock stone from source.. troku (tro)  
roll -s/be a -er/cylinder rolgu (rol)  
Roman person romni (-)  
roof of.. trufa (ruf)  
room of/in.. kruma (kru)  
root of plant.. ginru (gin)  
rose from source.. rozme (-)  
rotten be more - than.. ranta (ran)  
rough -er/more abrasive than.. rofsu (rof ros)
- round circular, a disk/circle rande (rad rae)  
route path to..from..via pts.. rutma (rut rua)  
ruble be worth.. -s, default 1 rubli (-)  
rule prescribing..to..under.. rulni (rul rui)

run to..from..over path.. prano (-)  
rupee be worth.. -s, default 1 rupi (-)  
Russian culture 'Russkii' rusko (-)  
Russian language 'Russkii' ruska (-)  
Russian person 'Russkii' ruski (-)  
sack bag of/containing.. sakli (sak)  
sad be - about.. 'regret' kecri (kec kei)  
sage wiser than..about.. sadji (saj)  
sail of vessel.. salfa (saf)  
salt an amount of - solte (sot)  
same be the - thing as.. samto (sam sao)  
sand from source.. sanca (sna)  
say ..to.. cutse (cus cue)  
scale measuring..among.. skalu (ska)  
school of community.. ckela (kea)  
science of/about.. sensi (ses)  
Scot -tish person skaci (-)  
Scot -tish dialect skaca (-)  
Scot -tish culture skaco (-)  
scratch .., v.t. kraju (raj)  
screw n. a threaded device skori (sko)  
sea of planet.. mursi (mur)  
second lasts.. -s, default 1 sekmi (-)  
secret be kept - from..by.. smike (smi)  
secretary of.. sekre (-)  
secure safe from.. 'sure' curca (cur)  
see ..against.. 'vision' vizka (viz vik via)  
seed of organism.. sidza (siz)  
seem to be..to..under.. simci (sim sii)  
self of../-image of.. selji (sel)  
sell ..to..for price.. 'vend' vedma (ved vea)  
send ..to..from...via route.. sundi (sud sui)  
sense stimulus..under.. sanse (sas sae)  
sentence about..in language.. steti (ste)  
serious be - about.. srisu (riu)  
serve ..in/by.., a -ant of.. surva (suv)  
set group of elements.. setci (set sei)  
sew ..to.. djoso (jos)  
sexual behave -ly toward.. sekci (sec)  
shade shadow of..from source.. cedzu (ced)  
shake oscillate at rate.. siltu (sil siu)  
shears scissors cirzo (cio)  
sheep n. berci (-)  
shelf of/containing.. celna (cel)  
shirt upper-body garment curta (-)  
shock ..with/by.. teaku (cak)  
shoe n. cutci (cuc)  
short -er than..by.. corta (cor coa)  
shovel n. cavle (cav)  
sick with..from.. 'malady' malbi (mal)  
side of..bounded by edges.. spali (pal)  
sign of..to..urging..under.. sanpa (san saa)

silk made of - colku (col)  
simple -er than..in respect.. sapla (sap)  
sing ..to.. 'greet, tune' gritu (gri)  
sister of..thru.. 'sorority' sorme (som soe)  
sit on.. skitu (ski)  
site place/location of.. sitfa (sit sif sia)  
ski n. skizo (kiz)  
skin rind/outer covering of.. skapi (-)  
skirt n. skara (-)  
skull of.. tosku (-)  
sky an expanse of - at place.. skati (-)  
sleep v. be asleep sonli (soi)  
slide slip on.. clidu (-)  
slope steeper than..by.. slopu (slo)  
slow -er than..by.. slano (sla)  
small -er in volume than..by.. emalo (cma)  
smash ..into pulp.. 'crush' kraco (-)  
smell n. an odor emitted by.. sutme (sut)  
smile at.. 'grin' crano (cra)  
smoke from source.. smano (sma)  
smooth -er than..by.. smupi (smu)  
snake serpent 'reptile' marpi (-)  
sneeze v.i. tsani (-)  
snow a quantity/expanse of - snice (nic)  
soap an amount of - dzaso (zas)  
sodium Na nadri (nad)  
sofa n. sofna (-)  
soft -er/more malleable than.. molro (-)  
solar pert. to Earth's sun solra (-)  
soldier of army.. solda (sod)  
solid below temp. & pressure.. saldi (sal)  
son of..parents..and.. sunho (sun suo)  
sound a - emitted by.. sonda (son soa)  
soup -/stew of ingredients.. supta (sup)  
sour more - than..to.. sarni (sar)  
south of../a -ern part of.. surdi (sur)  
space volume occupied by.. spasi (spa)  
Spanish culture spano (-)  
Spanish language spana (-)  
Spanish person spani (-)  
species of genus.. speci (-)  
specific to..among.. spebi (peb)  
spirit ghost of..seen by.. spicu (spi)  
spit spittle of.. spetu (-)  
sponge n. penja (pej)  
spoon n. sputa (put)  
spread -s/expands over/into.. kuspo (-)  
spring n. an elastic device spori (-)  
square with vertices.. kurfa (kur)  
stage of hall/theater.. stadi (sta)  
stairs of structure.. stire (tir tie)  
stalk stem/trunk of.. staga (-)

- stand on.. stali (tai)  
star of galaxy.. tarci (tar)  
start origin/beginning of.. satci (sac)  
station of transport system.. stana (-)  
stay remain at/with.. stolo (sto)  
steel made of - gasti (-)  
step on/in.. buste (bus bue)  
stick of/made of.. stuka (-)  
stiff -er than..in direction.. stifa (-)  
store deposit/reserve of.. sordi (sro)  
story about..told by.. stuci (stu)  
strange to..in features.. gutra (gur)  
street of.. trida (-)  
stretch to length..from.. tetcu (tec teu)  
stroke rub..with.. satro (sat)  
strong -er than..by.. 'fort' forli (fol)  
structure of.. truke (tru)  
student of..at institution.. stude (-)  
stuff matter/material ctifu (cti)  
succeed in..by effort.. suksi (sku)  
sudden be -/abrupt to.. sudna (sua)  
sufficient enough for.. tsufi (tsu)  
sugar n. 'saccharine' sakta (-)  
suggest action..to.. sange (-)  
sulfur S sulfa (-)  
sum mathematical - of..plus.. sumji (sum)  
summer of year.. cimra (cim)  
support ..with/by.. djupo (jup juo)  
surprise..by.. 'startle' stari (-)  
sweet -er than..to.. sliti (sli)  
swelling at/in/on..caused by.. sulba (sul)  
swim to..from..via.. sucmi (-)  
system of function..& parts.. sisto (sis sio)  
table n. tobme (tob toe)  
tail of.. tilba (-)  
take ..away from.. tokna (toa)  
talk to..speak to..about.. takna (tak taa)  
taste flavor of.. 'gusto' gusto (gus gut)  
tax on..by..for use.. cteki (cte)  
tea from source.. tcati (-)  
teach ..to do/know.. ditca (dic dia)  
telephone rec'r in network.. telfo (-)  
television rec'r in network.. telvi (-)  
temple church of religion.. tepli (tep)  
ten -fold of.. 'deka-' deкто (dek)  
ten-thousand of.. 'myriad' mirdo (mir)  
tent a fabric dwelling of.. tenta (-)  
tenth -part of.. 'deci-' decti (dec)  
terrestrial pert. to Earth terla (tel)  
test a - for..among.. 'proof' pruci (pru)  
testicle of.. 'testes' testi (-)  
theater of community.. tatro (tat)
- thick -er than..by.. 'stout' totnu (tot)  
think about.. 'pensive' penso (pen peo)  
thousand -fold of.. 'kilo-' kilto (kil)  
thousandth -part of.. 'milli-' milti (mil)  
thread an amount/length of - citre (cit cie)  
throat of.. 'gullet' goltu (-)  
throw ..to/at.. renro (ren reo)  
thumb of.. pudja (-)  
ticket to..from..on..for.. ketpi (-)  
tiger n. tigra (-)  
tight be -er than..on.. djitu (jit jiu)  
tile n. kadta (-)  
time interval from..to 'tempo' ckemo (cke)  
tin Sn snatu (-)  
tired by effort.. tarle (tal tae)  
tobacco n. tabko (-)  
toe of.. djoto (-)  
tomato from source.. tomta (-)  
tongue of.., body-part tongu (-)  
tool for doing.. 'instrument' trime (rim rie)  
tooth of.. 'dental' dante (dat)  
touch ..with.. totco (tco)  
trade ..for..with.. 'barter' batmi (bat)  
train of system.. trenna (tre)  
travel to..from..via route.. traci (rac)  
tray of/containing.. trali (-)  
tree n. triccu (tri)  
trillionth -part of.. 'pico-' pikti (pik)  
trot to..from.., trotter troti (-)  
trouble v. disturb..by.. fatru (fat fau)  
true by rule/standard.. tradu (tra)  
try to do/attain..by.. trati (rai)  
tube a length of -ing tubli (tub)  
tulip from source.. tulpi (-)  
turn rotate around axis.. trana (tan)  
twist under load.. 'torque' torni (ton)  
umbrella n. sanla (-)  
unit of scale.. 'degree' dugri (-)  
urine of.. 'piss' pinca (pic)  
use ..for.. plizo (pli)  
vaccine against disease..in.. vaksi (-)  
vagina of.. konbi (-)  
value of..to..for use.. vatlu (vat vau)  
vault jump over/across.. valti (val vai)  
verse a poem by.. virsa (vir)  
vertical in gravity field.. vreti (vre)  
vessel of/containing.. veslo (veo)  
view of..from point.. vidju (vij viu)  
violent in response to.. valna (van vaa)  
voice of individual.. volsi (vol voi)  
volt have..-s e.m.f., def't 1 volta (-)  
vomit ../throw..up on.. vamtu (-)

walk to..from..via.. dzoru (dzo)  
wall of/around.. teali (cal)  
war be at - with..over.. dorja (dor)  
warn ..of/about danger.. kurni (kun)  
wash ..in.. vlaci (-)  
waste ..on/by doing.. festi (fes)  
watch observe..do.. katca (-)  
water an amount/expanse of - cutri (cut cui)  
wave in medium.. valpu (vap)  
wax from source.. lakse (lak)  
weapon for use.. 'arm' tarmu (tam tau)  
weather of place/region.. tetri (tet)  
week of month/year.. likta (lik)  
well healthier than.. djela (dje jel)  
west of../a -ern part of.. lusta (lus)  
wet with.. cetlo (cet)  
wheat from source.. ritna (-)  
wheel of device/vehicle.. krilu (-)  
whip n. lash 'switch' bitce (-)  
whistle n. caslo (cas)

white -er than.. 'blank' blabi (lab)  
win ..from/over.. 'gain' gancu (gac gau)  
window of.. cundo (cuo)  
wine an amount of - vinjo (vin)  
wing of.. tcela (-)  
winter of year.. dotra (dot)  
wire a length of - tirca (tic)  
with - ../companion of..in.. kinci (kin kii)  
without be - ../be..less clesi (cle)  
woman n. 'feminine' fumna (fum fua)  
wood from source.. mubre (mub)  
wool from source.. lunli (lul)  
word be the - for..in lang.. purda (pur pua)  
work on/at..with goal.. turka (tur tua)  
worm n. kurma (-)  
write ..on surface.. srite (sri)  
year of epoch.. nirne (nin nie)  
yellow -er than.. pelto (-)  
young -er than..by.. 'junior' junti (jun)  
zinc Zn zinko (-)

## LIST 3. SHORT AFFIXES

- baa** (barma) arm of.., body-part  
**bae** (balci) build ..from materials..  
**bad** (badlo) bundle package of/containing..  
**bai** (balci) build ..from materials..  
**baj** (badjo) bough limb/branch of..  
**bak** (bakto) bucket pail of/containing..  
**bal** (balpi) balance -d under forces..  
**bam** (balma) ball sphere n., spherical a.  
**ban** (banci) bathe in..  
**bao** (bakso) box of/containing..  
**bap** (batpi) bottle of/containing..  
**bar** (barma) arm of.., body-part  
**bas** (basni) base foundation/basis of..  
**bat** (batmi) trade ..for..with.. 'barter'  
**bed** (bedpu) bed n.  
**beg** (begco) beg request..of/from..  
**bei** (berti) carry ..to..from.. 'bear'  
**bek** (bekti) object enduring in space-time  
**bel** (bekli) bell producing sound/note..  
**ben** (bendu) band orchestra of players..  
**beo** (begco) beg request..of/from..  
**ber** (berti) carry ..to..from.. 'bear'  
**bet** (betcu) bent more -/crooked than..  
**beu** (bendu) band orchestra of players..  
**bia** (bitsa) between ..and.. 'beside'  
**bie** (bilca) military of.. 'militia'  
**bid** (bivdu) behave ..under..  
**bie** (bidje) edge of..between..  
**bii** (biliti) beautiful more - than..  
**bil** (biliti) beautiful more - than..  
**bis** (bisli) ice an amount of -  
**bit** (bitsa) between ..and.. 'beside'  
**biu** (bivdu) behave ..under..  
**biv** (bivdu) behave ..under..  
**bla** (blada) blade of tool/weapon..  
**ble** (bleka) look at..  
**bli** (blicu) possible under conditions..  
**blo** (bloda) hit ..with.. 'blow'  
**blu** (bludi) blood of organism..  
**boi** (botci) boy n.  
**bon** (bongu) bone of..  
**bor** (borku) bow for arrows..  
**bot** (botsu) boat n.  
**bou** (botsu) boat n.  
**bra** (brana) born be - to..  
**bre** (bredi) ready for..  
**bri** (brize) breeze wind from..  
**bro** (broko) break into pieces..  
**bru** (brudi) brother of..through..  
**bue** (buste) step on/in..  
**buf** (bufpo) opposite from..in quality..  
**bui** (bulbi) bulb of plant/species..  
**buj** (bulju) boil at temperature..  
**buk** (bukcu) book about..by..  
**bul** (bulbi) bulb of plant/species..  
**bun** (bunbo) fool be -ish about.. 'boob'  
**bus** (buste) step on/in..  
**buu** (bukcu) book about..by..  
**cab** (cabro) burn at temperature..  
**cae** (canse) chance random under..  
**cai** (canli) quantity of..on scale..  
**cak** (tcaku) shock ..with/by..  
**cal** (teali) wall of/around..  
**can** (canse) chance random under..  
**cao** (cabro) burn at temperature..  
**cap** (capri) print v.t., - ..on..  
**car** (carbo) carbon C  
**cas** (caslo) whistle n.  
**cat** (cartu) chart map of..by..  
**cav** (cavle) shovel n.  
**cea** (cenja) change into/become..from..  
**ced** (cedzu) shade shadow of..from source..  
**cef** (cefli) chief of..for activity..  
**cei** (cersi) chair n.  
**cej** (cenja) change into/become..from..  
**cel** (celna) shelf of/containing..  
**cen** (centi) hundredth -part of.. 'cent'  
**cet** (cetlo) wet with..  
**cia** (cirna) learn ..from source..  
**cid** (cidja) awake be -  
**cie** (citre) thread an amount/length of -  
**cik** (ciktu) equal ..in/on dimension..  
**cil** (citlu) detail of..  
**cim** (cimra) summer of year..  
**cin** (cinta) infant baby of..  
**cio** (cirzo) shears scissors  
**cir** (cirna) learn ..from source..  
**cis** (cisti) history of..by..  
**cit** (citre) thread an amount/length of -  
**ciu** (ciktu) equal ..in/on dimension..  
**cka** (ckano) kind be - to..  
**cke** (ckemo) time interval from..to 'tempo'  
**cko** (ckozu) cause -/be a - of..under..  
**cla** (clado) loud -er than..by..  
**cle** (clesi) without be - ..be..less  
**cli** (clika) like similar to..in..  
**clo** (clori) chlorine Cl  
**clu** (cluva) love v.t.  
**cma** (cmalo) small -er in volume than..by..  
**cme** (cmeni) money issued by..  
**cmi** (cmiza) amused be - by..by doing..

<b>cna</b> (canli) quantity of..on scale..	<b>diu</b> (dislu) discuss ..with..
<b>cni</b> (cnida) need ..for..	<b>dja</b> (djano) know ..about..
<b>cnu</b> (cnu) new to..in feature..	<b>dje</b> (djela) well healthier than..
<b>coa</b> (corta) short -er than..by..	<b>dji</b> (djine) join be -ed to..at..
<b>col</b> (colku) silk made of -	<b>djo</b> (djori) member of set/group.. 'join'
<b>com</b> (comtu) ashamed of doing/being..	<b>dju</b> (djudi) judge ..to be.., be a -
<b>con</b> (condi) deep -er than..by..	<b>don</b> (donsu) give ..gift.. 'donate'
<b>cor</b> (corta) short -er than..by..	<b>dor</b> (dorja) war be at - with..over..
<b>cot</b> (comtu) ashamed of doing/being..	<b>dot</b> (dotra) winter of year..
<b>cou</b> (comtu) ashamed of doing/being..	<b>dou</b> (donsu) give ..gift.. 'donate'
<b>cpu</b> (cpula) pull ..to..from..	<b>dra</b> (drani) dry -er than..by..
<b>cra</b> (crano) smile at.. 'grin'	<b>dre</b> (dreti) correct by standard..
<b>cri</b> (crina) rain be -ed on by..	<b>dri</b> (driki) remember ..about..
<b>cte</b> (cteki) tax on..by..for use..	<b>dru</b> (durzo) do ..to..
<b>cti</b> (ctifu) stuff matter/material	<b>dua</b> (durna) adorn ../be an -ment of..
<b>ctu</b> (ctuda) feces of.. 'stool'	<b>dui</b> (duvre) discover ..about..
<b>cue</b> (cutci) shoe n.	<b>dun</b> (durna) adorn ../be an -ment of..
<b>cue</b> (cutse) say ..to..	<b>duo</b> (durzo) do ..to..
<b>cui</b> (cutri) water an amount/expanse of -	<b>dup</b> (dupma) dupe deceive/trick..about..by..
<b>cuo</b> (cundo) window of..	<b>dur</b> (durzo) do ..to..
<b>cup</b> (cupri) copper Cu	<b>dus</b> (dustu) dust n.
<b>cur</b> (curca) secure safe from.. 'sure'	<b>dut</b> (dutki) doubt that..is true of..
<b>cus</b> (cutse) say ..to..	<b>duv</b> (duvre) discover ..about..
<b>cut</b> (cutri) water an amount/expanse of -	<b>dza</b> (dzabi) be real/exist for..under..
<b>daa</b> (danza) desire want..for..	<b>dze</b> (dzeli) jelly an amount of -
<b>dai</b> (danci) design be a plan for..by..	<b>dzo</b> (dzoru) walk to..from..via..
<b>dak</b> (dakli) likely -ier than..under..	<b>faa</b> (falba) fail to do/be..under..
<b>dam</b> (damni) down lower than..by..in f'ld..	<b>fab</b> (falba) fail to do/be..under..
<b>dan</b> (danci) design be a plan for..by..	<b>fad</b> (fando) end of thing/process.. 'final'
<b>dao</b> (darto) door of/in..	<b>fag</b> (fagro) fire be a - in..
<b>dap</b> (daspa) responsible for..to..	<b>fai</b> (falji) false by standard..
<b>dar</b> (darli) far -ther than..from..by..	<b>fal</b> (falji) false by standard..
<b>das</b> (daspa) responsible for..to..	<b>fam</b> (famji) family with members..
<b>dat</b> (dante) tooth of.. 'dental'	<b>fan</b> (fanra) farm of community..
<b>dea</b> (detra) daughter of..and..	<b>fao</b> (fando) end of thing/process.. 'final'
<b>dec</b> (decti) tenth -part of.. 'deci-'	<b>far</b> (farfu) father of..out of mother..
<b>ded</b> (dedjo) finger of.. 'digit'	<b>fas</b> (fasru) easy for..under.. 'facile'
<b>dei</b> (denli) day -time of day.. 'daily'	<b>fat</b> (fatru) trouble v. disturb..by..
<b>dej</b> (dedjo) finger of.. 'digit'	<b>fau</b> (fatru) trouble v. disturb..by..
<b>dek</b> (dekto) ten -fold of.. 'deka-'	<b>fav</b> (fanve) reverse of../in - order from..
<b>del</b> (denli) day -time of day.. 'daily'	<b>fea</b> (felda) fall to..from.. 'fell'
<b>den</b> (denro) danger -ous to..under..	<b>fed</b> (felda) fall to..from.. 'fell'
<b>der</b> (dertu) dirt soil/earth from/of..	<b>fei</b> (ferci) affair of/involving..
<b>det</b> (detra) daughter of..and..	<b>fek</b> (fekto) fact about..observed by..
<b>deu</b> (dertu) dirt soil/earth from/of..	<b>fel</b> (felda) fall to..from.. 'fell'
<b>dia</b> (ditca) teach ..to do/know..	<b>fem</b> (femdi) female of species..
<b>dic</b> (ditca) teach ..to do/know..	<b>fen</b> (fernu) iron Fe
<b>dii</b> (disri) decide ../to do..about..	<b>feo</b> (fekto) fact about..observed by..
<b>dio</b> (dirco) direction be in - ..from..	<b>fer</b> (fe) five five of..
<b>dip</b> (dipri) dear precious to..	<b>fes</b> (festi) waste ..on/by doing..
<b>dir</b> (dirco) direction be in - ..from..	<b>fet</b> (ferti) fertile more - than..for..
<b>dit</b> (ditka) bite ..on/at..	<b>feu</b> (fernu) iron Fe

**fia** (firpa) fear be afraid of/that..  
**fib** (fibru) feeble weaker than..by..  
**fic** (fici) fish n.  
**fid** (fizdi) physical non-mental  
**fii** (fildi) field of farm/community..  
**fik** (fikco) fiction a work of - by..  
**fil** (filmo) feel ..about..  
**fio** (filmo) feel ..about..  
**fip** (fitpi) foot of..  
**fir** (firpa) fear be afraid of/that..  
**fit** (fitpi) foot of..  
**fiz** (fizdi) physical non-mental  
**fla** (flami) flame of fire/device..  
**fle** (fleti) fly to..from..via..  
**fli** (flidu) liquid from temp..to.. 'fluid'  
**flo** (folma) full -er than..by..  
**foa** (forma) form shape of..  
**fod** (foldi) fold .. ..times, v.t.  
**foi** (fosli) force compel..to do/be..  
**fol** (forli) strong -er than..by.. 'fort'  
**fom** (forma) form shape of..  
**for** (fo) four four of..  
**fos** (fosli) force compel..to do/be..  
**fra** (farfu) father of..out of mother..  
**fre** (frena) front be in - /ahead of..  
**fru** (fruta) fruit of..  
**fua** (fumna) woman n. 'feminine'  
**fue** (futci) future after/later than..  
**fui** (futci) future after/later than..  
**fum** (fumna) woman n. 'feminine'  
**fur** (fu) -ed 2nd converse  
**fut** (futci) future after/later than..  
**gaa** (ganta) high -er than..by..in field..  
**gac** (gancu) win ..from/over.. 'gain'  
**gad** (gandi) god of people(s)..  
**gai** (garni) govern rule over/-or of..  
**gal** (ganli) organize ..into..for..  
**gan** (ganta) high -er than..by..in field..  
**gao** (gasno) anus of..  
**gar** (garni) govern rule over/-or of..  
**gas** (gasno) anus of..  
**gat** (garti) grateful be - to..for..  
**gau** (gancu) win ..from/over.. 'gain'  
**gea** (genza) again a recurrence of..  
**gei** (getsi) get ..from..for..  
**gen** (genza) again a recurrence of..  
**get** (getsi) get ..from..for..  
**gig** (gigdo) billion -fold of.. 'giga-'  
**gin** (ginru) root of plant..  
**gli** (glida) guide ..to..from..via..  
**goa** (gotca) goat n.  
**god** (godzi) go to..from..via..

**goi** (godzi) go to..from..via..  
**gok** (gokru) hook n. 'crook'  
**gom** (gomni) gummy adhere/stick to..  
**got** (gotri) industry producing..among..  
**goz** (godzi) go to..from..via..  
**gra** (grada) great -er than.. 'grand'  
**gre** (gresa) grease fat/oil, an amount of  
**gri** (gritu) sing ..to.. 'greet, tune'  
**gro** (groda) big -ger than..by.. 'gross'  
**gru** (grupa) group with members..  
**gub** (gudbi) good better than..for..  
**gud** (gudbi) good better than..for..  
**gui** (gunti) country of people..  
**gun** (gunti) country of people..  
**gur** (gutra) strange to..in features..  
**gus** (gusto) taste flavor of.. 'gusto'  
**gut** (gusto) taste flavor of.. 'gusto'  
**haa** (hasfa) house a dwelling/home of..  
**had** (hardu) hard more resistant than..  
**haf** (hasfa) house a dwelling/home of..  
**hai** (hapei) happy about..  
**ham** (harmo) harmonious with..to..  
**han** (hanco) hand of..  
**hao** (harko) harbor shelter for..from..  
**hap** (hapei) happy about..  
**har** (harko) harbor shelter for..from..  
**has** (hasfa) house a dwelling/home of..  
**hat** (hatro) hot -ter than..by..  
**hea** (helba) help ..do..  
**heb** (herba) plant n. 'herb'  
**hed** (hedto) head of.., body-part  
**hek** (hekto) hundred -fold of.. 'hecto-'  
**hel** (helba) help ..do..  
**her** (herfa) hair of..  
**hia** (hijra) here attend/be present at..  
**hid** (hidro) hydrogen H  
**hir** (hirti) hear ..over noise..  
**hoa** (horma) horse n.  
**hoi** (hompi) drink ..from..  
**hol** (holdu) hole pit/depression in..  
**hom** (hompi) drink ..from..  
**hor** (horma) horse n.  
**hos** (hospi) hospital of community..  
**hou** (holdu) hole pit/depression in..  
**hui** (hutri) destroy v.t.  
**hum** (humni) human be -/a - being  
**hun** (humni) human be -/a - being  
**hut** (hutri) destroy v.t.  
**jag** (jaglo) angle between pts.. 'jagged'  
**jai** (jalti) product of..multiplied by..  
**jan** (janto) hunt game/quarry..  
**jao** (jaglo) angle between pts.. 'jagged'

- jar (janro) narrow -er than..by..  
 jel (djela) well healthier than..  
 jet (djeta) owe ..to..for.. 'debt'  
 jio (djipo) important to..in/for..  
 jip (djipo) important to..in/for..  
 jit (djitu) tight be -er than..on..  
 jiu (djitu) tight be -er than..on..  
 jmi (jmite) meet encounter..at/in..  
 jok (jokla) clock n.  
 joo (jorto) hour last.. -s, default 1  
 jor (jorto) hour last.. -s, default 1  
 jos (djoso) sew ..to..  
 jua (jugra) grab seize..with..  
 jug (jugra) grab seize..with..  
 jui (jupni) opine think..true of..  
 jul (djula) jewel in/of jeweled object..  
 jun (junti) young -er than..by.. 'junior'  
 juo (djupo) support ..with/by..  
 jup (djupo) support ..with/by..  
 jur (ju) -ed 3rd converse  
 kaa (kamla) come from..to..via..  
 kae (kance) conscious be -/aware of..  
 kad (kamda) fight ..over.. 'combat'  
 kae (kance) conscious be -/aware of..  
 kaf (kasfa) punish ..for..by doing..  
 kai (katli) quality have -/feature..  
 kak (kakto) act do..with goal..  
 kal (kapli) complete by standard..  
 kam (kamla) come from..to..via..  
 kan (kanmo) can be able to do..under..  
 kao (kakto) act do..with goal..  
 kap (kapni) open be -/not shut  
 kar (kamra) camera n.  
 kas (karsa) across ..from..  
 kat (katli) quality have -/feature..  
 kau (kangu) dog n. 'canine'  
 kea (ckela) school of community..  
 kee (kecri) sad be - about.. 'regret'  
 kei (kecri) sad be - about.. 'regret'  
 kej (kerju) care for/take - of..  
 kem (kemdi) chemical a pure instance of..  
 ken (kenti) question about..by..to..  
 ker (kerti) air a quantity of -  
 ket (ketli) kettle of/containing..  
 keu (kerju) care for/take - of..  
 kie (kiemu) doctor -s..for..with.. 'cure'  
 kii (kinci) with - ../companion of..in..  
 kik (kinku) keen -er/sharper than..  
 kil (kilto) thousand -fold of.. 'kilo-'  
 kin (kinci) with - ../companion of..in..  
 kiu (kiemu) doctor -s..for..with.. 'cure'  
 kiz (skizo) ski n.
- kla (klabu) cloth an amount of -  
 kle (klesi) class of..with property..  
 kli (kliri) clear -er than..  
 klo (klogu) close be -d, as of a door  
 klu (kutla) cut ..into pieces..  
 koa (korva) curve through pts..  
 koe (korce) cord rope/an amount of -age  
 koe (korce) cord rope/an amount of -age  
 kof (komfu) comfortable be more - than..to  
 koi (korji) order command..to do..  
 koj (korji) order command..to do..  
 kok (kokfa) cook ..for..  
 kol (kolro) color be a - perceived by..  
 kom (komcu) comb n.  
 kon (konte) count the number in set..  
 koo (kolro) color be a - perceived by..  
 kop (kopca) copy of..  
 kor (korti) body of.. 'corpus'  
 kos (konsu) consul of..in..  
 kou (komfu) comfortable be more - than..to  
 kov (korva) curve through pts..  
 kra (kraku) cry cry out, v.i.  
 kre (kreni) ray from energy source..  
 kri (krido) believe ..about.. 'creed'  
 kro (kroli) flow current from..to..'crawl'  
 kru (kruma) room of/in..  
 kua (kuvga) cover ../be a - of..  
 kub (kubra) broad be -er/wider than..by..  
 kue (kunci) related to..by relation..'kin'  
 kui (kunci) related to..by relation..'kin'  
 kuk (kukra) quick be faster than..by..  
 kul (kultu) culture of people(s)..  
 kum (kumtu) common to/universal in set..  
 kun (kurni) warn ..of/about danger..  
 kuo (kusmo) custom habit of..under..  
 kup (kupta) cup of/containing..  
 kur (kurfa) square with vertices..  
 kus (kusmo) custom habit of..under..  
 kuu (kumtu) common to/universal in set..  
 kuv (kuvga) cover ../be a - of..  
 laa (langa) long -er than..by..  
 lab (blabi) white -er than.. 'blank'  
 lad (plado) plow n.  
 lae (larte) art of making..among..  
 lag (langa) long -er than..by..  
 lai (landi) land a parcel/expanse of -  
 lak (lakse) wax from source..  
 lal (laldo) old -er than..by..  
 lan (landi) land a parcel/expanse of -  
 lar (larte) art of making..among..  
 las (lasti) elastic more - than..  
 lea (letra) letter -al in character-set..

<b>led</b> (ledri) lightning from..to..	<b>mei</b> (merli) measure ..to be..on scale..
<b>lei</b> (letci) let permit..do..under..	<b>mek</b> (menki) eye of..
<b>lek</b> (lenki) electric - charge on.., -ity	<b>mel</b> (merli) measure ..to be..on scale..
<b>lel</b> (lelpi) level in gravity field..	<b>men</b> (mendi) male of species.. 'men'
<b>len</b> (lengu) language of people(s)..	<b>meo</b> (metro) meter be.. -s long, default 1
<b>leo</b> (lenzo) lens of system..	<b>mer</b> (merji) marry be -ied to.., spouse
<b>lep</b> (lelpi) level in gravity field..	<b>met</b> (metli) metal be -ic/made of -
<b>ler</b> (lerci) letter to..from..about..	<b>mia</b> (milfa) meal composed of dishes..
<b>les</b> (lesta) east of../an -ern part of..	<b>mid</b> (midju) middle at the center of..
<b>let</b> (letci) let permit..do..under..	<b>mii</b> (mipli) example of..
<b>leu</b> (lengu) language of people(s)..	<b>mij</b> (midju) middle at the center of..
<b>lez</b> (ledzo) left of../-hand side of..	<b>mik</b> (mikti) millionth -part of.. 'micro-'
<b>lia</b> (clina) line through points..	<b>mil</b> (milti) thousandth -part of.. 'milli-'
<b>lic</b> (linco) lean thinner than..by..	<b>min</b> (smina) mind of..
<b>lid</b> (lidji) religion of people(s)..	<b>mio</b> (mitro) meat from source..
<b>lif</b> (clife) leaf of plant..	<b>mip</b> (mipli) example of..
<b>lii</b> (clivi) live be alive	<b>mir</b> (mirdo) ten-thousand of.. 'myriad'
<b>lij</b> (limji) limit of..	<b>mis</b> (miksa) mixture of ingredients..
<b>lik</b> (likta) week of month/year..	<b>mit</b> (mitro) meat from source..
<b>lil</b> (lilfa) law against..by..under..'legal'	<b>miu</b> (minku) mineral ore from source..
<b>lim</b> (limji) limit of..	<b>moa</b> (monca) mountain of landmass..
<b>lin</b> (clina) line through points..	<b>moc</b> (motci) motor n.
<b>lio</b> (likro) liquor distilled spirits	<b>moi</b> (modvi) motive for..to do..under..
<b>lis</b> (lista) list of set..in order..	<b>mon</b> (monca) mountain of landmass..
<b>lit</b> (litla) light from source..on..	<b>mor</b> (morto) dead a. 'mortal'
<b>liu</b> (litnu) restrain keep..from doing..	<b>mou</b> (mordu) more exceeds..in prop'ty..by..
<b>liv</b> (clivi) live be alive	<b>mov</b> (modvi) motive for..to do..under..
<b>loa</b> (flora) flower of plant..	<b>moz</b> (monza) morning of day..
<b>lod</b> (lodji) logic for getting..from..	<b>mra</b> (marka) mark be a - on..made by..
<b>log</b> (logla) Loglan language	<b>mre</b> (mrenu) man n. 'men'
<b>loi</b> (lokti) local to../confined to..	<b>mro</b> (mordu) more exceeds..in prop'ty..by..
<b>lor</b> (flora) flower of plant..	<b>mub</b> (mubre) wood from source..
<b>lua</b> (pluma) feather of.. 'plume'	<b>muc</b> (mutce) much more extreme than..in..
<b>lul</b> (lunli) wool from source..	<b>mue</b> (mutce) much more extreme than..in..
<b>lum</b> (pluma) feather of.. 'plume'	<b>mui</b> (muzgi) music by composer..
<b>lum</b> (lunra) lunar pert. to Earth's moon	<b>muk</b> (murki) monkey n.
<b>lus</b> (lusta) west of../a -ern part of..	<b>mun</b> (munce) community of organisms..
<b>maa</b> (matma) mother of..by father..	<b>muo</b> (muvdo) move to..from..over path..
<b>mac</b> (matci) machine for use/function..	<b>mur</b> (mursi) sea of planet..
<b>mad</b> (madzo) make ..out of.. 'made'	<b>mus</b> (muslo) muscle of..
<b>mae</b> (marte) market of community.. 'mart'	<b>mut</b> (mutce) much more extreme than..in..
<b>mai</b> (matci) machine for use/function..	<b>muv</b> (muvdo) move to..from..over path..
<b>maj</b> (madji) magic -ian, do - before..	<b>muz</b> (muzgi) music by composer..
<b>mak</b> (manko) mouth of..	<b>naa</b> (natra) natural not caused by man
<b>mal</b> (malbi) sick with..from.. 'malady'	<b>nab</b> (nable) problem to..in doing task..
<b>mam</b> (matma) mother of..by father..	<b>nad</b> (nadri) sodium Na
<b>man</b> (malna) milk from source..	<b>nai</b> (natli) night -time of day..
<b>mao</b> (madzo) make ..out of.. 'made'	<b>naj</b> (najda) knife n.
<b>mar</b> (marka) mark be a - on..made by..	<b>nal</b> (naldi) nail n.
<b>mat</b> (matma) mother of..by father..	<b>nam</b> (namci) name of..to/used by..
<b>mea</b> (mensa) month of year.. 'menses'	<b>nan</b> (nanti) billionth -part of.. 'nano-'
<b>meg</b> (megdo) million -fold of.. 'mega-'	<b>nao</b> (nadzo) now simultaneous with..

nar (natra) natural not caused by man  
 nat (natli) night -time of day..  
 nau (nardu) difficult for..under.. 'hard'  
 naz (nadzo) now simultaneous with..  
 nea (nedza) next to..  
 neb (nerbi) necessary for process..  
 ned (nedza) next to..  
 neg (negda) egg of/from source..  
 nei (nenri) in -side/interior of.. 'inner'  
 nej (nerji) energy have more - than..by..  
 nen (nenri) in -side/interior of.. 'inner'  
 ner (ne) one one of..  
 nes (nesta) honest with..about..  
 net (netre) net n.  
 nev (nervo) nervous about.. 'nervy'  
 nia (nimla) animal n.  
 nic (snice) snow a quantity/expanse of -  
 nie (nirne) year of epoch..  
 nig (nigro) black -er than..  
 nik (nikri) cheese from source.. 'curd'  
 nil (nirli) girl n.  
 nim (nimla) animal n.  
 nin (nirne) year of epoch..  
 nir (ni) zero none of..  
 nit (nitci) neat -er than..  
 noa (norma) average the - ..of.. 'normal'  
 nod (nordi) north of../a -ern part of..  
 nom (norma) average the - ..of.. 'normal'  
 nor (no) non- negative  
 not (notbi) other not same as.. 'not be'  
 num (numcu) number n.  
 nur (nu) -ed 1st converse  
 nuu (numcu) number n.  
 nuv (nurvi) nerve of.., body-part 'neuro-'  
 nuz (nuzvo) news about..from source..  
 pac (patce) apparatus device for doing..  
 pad (pazda) pause wait for..before..  
 pae (patce) apparatus device for doing..  
 pai (parti) part of whole..  
 pak (pasko) past before.., default now  
 pal (spali) side of..bounded by edges..  
 pan (panba) pan n.  
 pao (pasko) past before.., default now  
 par (parti) part of whole..  
 pas (pasko) past before.., default now  
 pat (patpe) pot n.  
 paz (padzi) cushion pillow 'padded'  
 pea (penta) point be a/the - of..  
 peb (spebi) specific to..among..  
 pec (petci) pay ..to..for goods/service..  
 ped (pendi) hang from.. 'pendulum'  
 pei (perti) pertain to../concern..

pej (penja) sponge n.  
 pen (penso) think about.. 'pensive'  
 peo (penso) think about.. 'pensive'  
 per (pernu) person -/people  
 pet (penta) point be a/the - of..  
 peu (pernu) person -/people  
 pic (pinca) urine of.. 'piss'  
 pid (pinda) pin n.  
 pie (pirle) parallel to..  
 pif (pifno) frequent more - than..under..  
 pik (pikti) trillionth -part of.. 'pico-'  
 pil (pilno) plane through pts.., flat  
 pin (pinti) paint n.  
 pio (pifno) frequent more - than..under..  
 pis (pismi) peace be at - with..  
 piu (pisku) piece of..  
 pla (plata) plate n.  
 ple (pleci) play with..  
 pli (plizo) use ..for..  
 plu (pluci) please ..by..  
 poa (ponda) respond ..to..under..  
 pod (poldi) nation of people.. 'polity'  
 poi (porli) power -ful, have - over..  
 poj (porju) pig n. 'pork'  
 pon (ponsu) own ..under law/custom..  
 por (porli) power -ful, have - over..  
 pot (posta) post mail..to..from..by..  
 pou (ponsu) own ..under law/custom..  
 poz (pozfa) oppose ..on issue..  
 pra (prase) process -ceeding thru stages..  
 pre (papre) paper n.  
 pri (prire) behind in back of.. 'rear'  
 pro (proju) produce ..by process..  
 pru (pruci) test a - for..among.. 'proof'  
 pua (purda) word be the - for..in lang..  
 pub (publi) public more - among..than..  
 pue (pucto) push ..to..from..via..  
 pud (pudru) powder from source..  
 pue (purfe) perfect by standard..  
 puf (purfe) perfect by standard..  
 pul (pulso) impulse have an - to do..  
 pum (pubmu) lead Pb  
 pun (puntu) pain -ed, hurt/feel - in..  
 puo (pucto) push ..to..from..via..  
 pup (purpu) purple more - than..  
 pur (purda) word be the - for..in lang..  
 put (sputa) spoon n.  
 puu (puntu) pain -ed, hurt/feel - in..  
 raa (grasa) grass a blade/expanse of -  
 rac (traci) travel to..from..via route..  
 rad (rande) round circular, a disk/circle  
 rae (rande) round circular, a disk/circle

- rag (fragu) fog be -gy/covered by -  
 rai (trati) try to do/attain..by..  
 raj (kraj) scratch .., v.t.  
 rak (draka) dark -er than..by..  
 ral (prali) profit be the - to..from..  
 ram (frama) frame of/around..  
 ran (ranta) rotten be more - than..  
 rao (brato) ratio of..divided by..., math.  
 rar (ra) all every..  
 ras (rasto) brass made of -  
 rat (prati) price of..to..set by vendor..  
 rau (ratcu) rat n.  
 raz (raznu) reason for..'s doing..under..  
 rea (retca) differ be -ent from..in..  
 reb (breba) bread an amount of -  
 rec (retca) differ be -ent from..in..  
 red (redro) red -der than..  
 ref (resfu) garment clothing 'dress'  
 rei (revri) dream ../that.. 'reverie'  
 rek (breko) brake of..  
 rel (trelu) rail n. -ing/bar  
 rem (fremi) friend of..  
 ren (renro) throw ..to/at..  
 reo (renro) throw ..to/at..  
 rep (retpi) reply ..to questioner..  
 rer (re) most most..  
 res (resfu) garment clothing 'dress'  
 ret (resto) rest repose/lie down on..  
 reu (trelu) rail n. -ing/bar  
 rev (revri) dream ../that.. 'reverie'  
 rez (frezi) free to do/be..  
 ria (briga) brave -er than..under..  
 ric (ritco) right of../-hand side of..  
 rid (ridle) read ..from surface/document..  
 rie (trime) tool for doing.. 'instrument'  
 rig (briga) brave -er than..under..  
 rii (rilri) regular more - than..  
 rik (briku) brick n.  
 ril (brili) brilliant brighter than..by..  
 rim (trime) tool for doing.. 'instrument'  
 rin (rinje) ring be a -/band on/around..  
 rir (rirda) record of..on medium..  
 ris (rispe) respect ..for doing/being..  
 rit (rinta) rhythm be the - of..  
 riu (srisu) serious be - about..  
 riz (prizi) private to..  
 roa (mroza) hammer n.  
 roc (brocu) brush n.  
 rod (broda) broken inoperable  
 rof (rofsu) rough -er/more abrasive than..  
 roi (groci) angry at..for.. 'growl'  
 roj (rodja) grow into..
- rol (rolgu) roll -s/be a -er/cylinder  
 ror (ro) many of../multi-..  
 ros (rofsu) rough -er/more abrasive than..  
 rou (brocu) brush n.  
 roz (mroza) hammer n.  
 rua (rutma) route path to..from..via pts..  
 rue (brute) breathe v.t.  
 ruf (trufa) roof of..  
 rui (rulni) rule prescribing..to..under..  
 rul (rulni) rule prescribing..to..under..  
 run (grunu) grain from source..  
 rus (prusa) approve plan/action..by..  
 rut (rutma) route path to..from..via pts..  
 ruu (prutu) protest ..to..by doing..  
 saa (sanpa) sign of..to..urging..under..  
 sac (satci) start origin/beginning of..  
 sae (sanse) sense stimulus..under..  
 saf (salfa) sail of vessel..  
 sai (santi) quiet -er than.. 'silent'  
 saj (sadji) sage wiser than..about..  
 sak (sakli) sack bag of/containing..  
 sal (saldi) solid below temp. & pressure..  
 sam (samto) same be the - thing as..  
 san (sanpa) sign of..to..urging..under..  
 sao (samto) same be the - thing as..  
 sap (sapla) simple -er than..in respect..  
 sar (sarni) sour more - than..to..  
 sas (sanse) sense stimulus..under..  
 sat (satro) stroke rub..with..  
 sea (setfa) put place/set..on/at.. 'set'  
 sec (sekci) sexual behave -ly toward..  
 sei (setci) set group of elements..  
 sek (sekta) insect n.  
 sel (selji) self of../-image of..  
 seo (sento) holy sacred to.. 'saint'  
 ser (se) seven seven of  
 ses (sensi) science of/about..  
 set (setci) set group of elements..  
 sia (sitfa) site place/location of..  
 sib (simba) lion n.  
 sic (siteci) city with hinterland..  
 sif (sitfa) site place/location of..  
 sii (simci) seem to be..to..under..  
 sil (siltu) shake oscillate at rate..  
 sim (simci) seem to be..to..under..  
 sin (sinma) cinema made by..  
 sio (sisto) system of function..& parts..  
 sir (sirna) certain sure that..is true  
 sis (sisto) system of function..& parts..  
 sit (sitfa) site place/location of..  
 siu (siltu) shake oscillate at rate..  
 siz (sidza) seed of organism..

ska (skalu) scale measuring..among..  
 ski (skitu) sit on..  
 sko (skori) screw n. a threaded device  
 sku (suksi) succeed in..by effort..  
 sla (slano) slow -er than..by..  
 sli (sliti) sweet -er than..to..  
 slo (slopu) slope steeper than..by..  
 slu (sluko) lock of/on..  
 sma (smano) smoke from source..  
 smi (smike) secret be kept - from..by..  
 smu (smupi) smooth -er than..by..  
 sna (sanca) sand from source..  
 sne (sneku) neck of..  
 sni (snire) near -er than..to..by..  
 sno (snola) entail implies..under rules..  
 soa (sonda) sound a - emitted by..  
 sod (solda) soldier of army..  
 soe (sorme) sister of..thru.. 'sorority'  
 sog (sorgu) ear of.. 'aural'  
 soi (sonli) sleep v. be asleep  
 sol (socli) interact -s socially with..  
 som (sorme) sister of..thru.. 'sorority'  
 son (sonda) sound a - emitted by..  
 sor (so) six six of..  
 sot (solte) salt an amount of -  
 spa (spasi) space volume occupied by..  
 spe (speni) experience v.t. 'spend'  
 spi (spicu) spirit ghost of..seen by..  
 spo (spopa) hope for../that..happens  
 spu (spuro) expert skilled at..under..  
 sri (srite) write ..on surface..  
 sro (sordi) store deposit/reserve of..  
 sru (surna) hurt harm/injure..at/in..  
 sta (stadi) stage of hall/theater..  
 ste (steti) sentence about..in language..  
 sti (stise) cease stop doing..  
 sto (stolo) stay remain at/with..  
 stu (stuci) story about..told by..  
 sua (sudna) sudden be -/abrupt to..  
 sud (sundi) send ..to..from...via route..  
 sui (sundi) send ..to..from...via route..  
 sul (sulba) swelling at/in/on..caused by..  
 sum (sumji) sum mathematical - of..plus..  
 sun (sunho) son of..parents..and..  
 suo (sunho) son of..parents..and..  
 sup (supta) soup -/stew of ingredients..  
 sur (surdi) south of../a -ern part of..  
 sut (sutme) smell n. an odor emitted by..  
 suv (surva) serve ..in/by..., a -ant of..  
 taa (takna) talk to../speak to..about..  
 tae (tarle) tired by effort..  
 tag (targo) argue with/against..that..

tai (stali) stand on..  
 tak (takna) talk to../speak to..about..  
 tal (tarle) tired by effort..  
 tam (tarmu) weapon for use.. 'arm'  
 tan (trana) turn rotate around axis..  
 tao (targo) argue with/against..that..  
 tar (tarci) star of galaxy..  
 tat (tatro) theater of community..  
 tau (tarmu) weapon for use.. 'arm'  
 tea (tcaro) car -/truck, a motor vehicle  
 tce (tceru) penetrate ..in dir'n.. 'thru'  
 tci (titci) eat v.t.  
 tco (totco) touch ..with..  
 tcu (tcure) picture of..by..  
 tec (tetcu) stretch to length..from..  
 ted (tedji) attend pay attention to..  
 tei (tedji) attend pay attention to..  
 tej (tedji) attend pay attention to..  
 tel (terla) terrestrial pert. to Earth  
 ten (tenri) increase by..in..during..  
 tep (tepli) temple church of religion..  
 ter (te) three three of..  
 tet (tetri) weather of place/region..  
 teu (tetcu) stretch to length..from..  
 tia (tisra) choose select..from set..  
 tic (tirca) wire a length of -  
 tid (tidjo) heavy -ier than..by..in f'ld..  
 tie (stire) stairs of structure..  
 til (trili) attract ..by doing/being..  
 tin (tinmo) ink an amount of -  
 tio (tidjo) heavy -ier than..by..in f'ld..  
 tir (stire) stairs of structure..  
 tiu (tifru) offer ..to..for use..  
 toa (tokna) take ..away from..  
 tob (tobme) table n.  
 toe (tobme) table n.  
 tog (togri) agree with..about/that..  
 toi (togri) agree with..about/that..  
 tok (tomki) automatic in function..  
 tol (troli) control ..in performance..  
 ton (torni) twist under load.. 'torque'  
 tor (to) two two of..  
 tot (totnu) thick -er than..by.. 'stout'  
 tov (tovru) over vert'ly above..in field..  
 tra (tradu) true by rule/standard..  
 tre (trena) train of system..  
 tri (tricu) tree n.  
 tro (troku) rock stone from source..  
 tru (truke) structure of..  
 tse (tsero) error in..by standard..  
 tsi (tsime) crime punished by..among..  
 tsu (tsufi) sufficient enough for..

<b>tua</b> (turka) work on/at..with goal..	<b>via</b> (vizka) see ..against.. 'vision'
<b>tub</b> (tubli) tube a length of -ing	<b>vid</b> (vidre) idea about..by thinker..
<b>tue</b> (tugle) leg of.., body-part	<b>vie</b> (vidre) idea about..by thinker..
<b>tui</b> (stuli) adjust ..for function..	<b>vij</b> (vidju) view of..from point..
<b>tul</b> (tugle) leg of.., body-part	<b>vik</b> (vizka) see ..against.. 'vision'
<b>tur</b> (turka) work on/at..with goal..	<b>vin</b> (vinjo) wine an amount of -
<b>vaa</b> (valna) violent in response to..	<b>vir</b> (virsa) verse a poem by..
<b>vad</b> (valda) develop into/toward.., v.i.	<b>vit</b> (virta) ad for..in med'm.. 'advertise'
<b>vai</b> (valti) vault jump over/across..	<b>viu</b> (vidju) view of..from point..
<b>val</b> (valti) vault jump over/across..	<b>viz</b> (vizka) see ..against.. 'vision'
<b>van</b> (valna) violent in response to..	<b>vla</b> (vlako) lake of landmass..
<b>vao</b> (vapro) gas -eous above temp.. 'vapor'	<b>voi</b> (volsi) voice of individual..
<b>vap</b> (valpu) wave in medium..	<b>vol</b> (volsi) voice of individual..
<b>vat</b> (vatlu) value of..to..for use..	<b>vor</b> (vo) eight eight of..
<b>vau</b> (vatlu) value of..to..for use..	<b>vre</b> (vreti) vertical in gravity field..
<b>vea</b> (vedma) sell ..to..for price.. 'vend'	<b>vri</b> (vrici) river of landmass..
<b>ved</b> (vedma) sell ..to..for price.. 'vend'	<b>zan</b> (zavno) oven of..
<b>vei</b> (vetci) happen -/occur to.. 'event'	<b>zao</b> (zavlo) bad worse than..for.. 'evil'
<b>ven</b> (vendu) poison -ous to.. 'venom'	<b>zas</b> (dzaso) soap an amount of -
<b>veo</b> (veslo) vessel of/containing..	<b>zav</b> (zavlo) bad worse than..for.. 'evil'
<b>ver</b> (ve) nine nine of..	<b>zbu</b> (zbuma) explode into.. 'boom'
<b>vet</b> (vetci) happen -/occur to.. 'event'	<b>zvo</b> (zvoto) out -/-side of/exterior to..
<b>veu</b> (vendu) poison -ous to.. 'venom'	

**LIST 4. THE CASES OF THE  
PRIMITIVE ARGUMENTS**

- badjo P is a bough/limb/branch of W  
 badlo B is a bundle/package of/containing P  
 bakso B is a box of/containing P  
 bakto B is a pail/bucket of/containing P  
 balci A builds W from parts/materials P  
 balko P is a balcony of building W  
 balma P is a ball/sphere  
 balpi P balances/is balanced under forces C  
 banbe P is a bay of coastline W  
 banci A bathes/takes bath in B  
 banko P is a bank of community W  
 banla O is a banana from source S  
 banse B is a basket of/containing P  
 bapra A operates P to accomplish/with  
 goal O  
 barcu P is a bar/tavern of community W  
 barju P is a bar/tavern of community W  
 barda A rewards S for O with P  
 barma P is an arm of W  
 barta P is a board/plank of material W  
 basni C is the base foundation/basis of P  
 batmi A trades P for P with A  
 batpi B is a bottle of/containing P  
 batra P is butter/an amount of butter  
 bedpu P is a bed  
 begco A asks for/requests P of/from S  
 bekli S is a bell producing sound/note O  
 bekti P is an object enduring in space-  
 time C  
 beldu P is the belly/abdomen of W  
 bendu W is a band/orchestra of players P  
 berci P is a sheep  
 berna P is a brain of W  
 berti A carries P to B from S  
 betcu G is more bent/crooked than L  
 bidje P is an edge of W between surfaces  
 C and C  
 bifci P is a bee  
 bifte P is a beefsteak, an amount of  
 beefsteak  
 bilca P is a member of the military forces of  
 government W  
 bilra A plays billiards with A  
 bilti G is more beautiful than L is  
 birsu P is beer/an amount of beer  
 bisli P is ice/an amount of ice  
 bitce P is a whip  
 bitsa A is between B and B  
 bivdu A behaves D in situation S  
 blabi G is whiter than L  
 blada P is the blade of tool/weapon W  
 blako A publicizes P among public W  
 blanu G is bluer than L  
 bleka A looks at P  
 blicu P is possible under conditions C  
 bloda A hits B with P  
 bludi P is the blood of organism W  
 blusa P is a blouse  
 bomba P is a bomb  
 bongu P is a bone of W  
 borku W is a bow for arrows P  
 botci P is a boy  
 botni P is a button of W  
 botsu P is a boat  
 brana O is born to S  
 brato Q is the ratio of P divided by W  
 breba P is bread/an amount of bread  
 bredi A is ready for/to do D  
 breko P is a brake of W  
 briga G is braver than L before danger C  
 briku P is a brick  
 brilli G is brighter than L by amount Q  
 brize O is a breeze/wind from P  
 brocu P is a brush  
 broda P is broken/inoperable  
 broko W breaks into pieces P  
 brona G is browner than L  
 bruci P is a brooch  
 brudi O is the brother of P with parents S  
 brute A breathes  
 bufpo W is opposite from W in quality P  
 bukecu O is a book about P by S  
 bulbi O is a bulb of plant/species W  
 bulju P boils at temperature C  
 bunbo A is a fool/foolish about P  
 buste A steps in/on B  
 butpa P is a boot  
 cabro P burns/ignites at temperature C  
 cadre P is a dress/gown/frock  
 camle P is a camel (genus Camelus)  
 canli Q is a quantity of W on scale D  
 canse P is accidental/a chance/random  
 event under knowledge-state C  
 capri A prints P on B  
 carbo P is carbon  
 cartu O is a chart/map of P by S  
 caslo P is a whistle  
 cavle P is a shovel  
 cedzu O is the shadow of S cast by light-  
 source P

- cefli** A is a/the chief among/of B for activity D
- celna** P is a shelf of/containing W
- cenja** S changes into/becomes O from state C
- centi** P is one hundredth part of W
- cersi** P is a chair
- cetlo** B is wet with liquid S
- cibra** A is a bridge over/across P
- cidja** P is awake
- ciktu** W equals W in/on dimension P
- cilda** P is an island in sea B
- cimra** P is the summer of year W
- cinta** O is an infant/baby of S
- cirna** A learns P from source S
- cirzo** P is a pair of shears/scissors
- cisti** O is a history of P by historian S
- citlu** P is a detail of/about W
- citre** P is thread/an amount/length of thread
- ckafe** P is a cafe of community W
- ckano** P is kind to B by standards C
- ckela** P is a school of community W
- ckemo** P is the time interval from S to O
- ckozu** S causes/is a cause of O under conditions C
- clado** G is louder than L by amount Q
- clafu** A laughs at P
- clesi** W is without/less quality/feature P
- clidu** A slips/slides on P
- cliffe** P is a leaf of plant W
- clika** W is similar to/like W in feature P
- clina** W is a line through points P
- clivi** A is live/alive
- clori** P is chlorine (Cl)
- cluva** A loves P
- cmalo** G is smaller in volume than L by amount Q
- cmeni** O is an amount of money issued by S
- cmiza** A is amused by/has fun being/doing D
- cnida** A needs P for purpose O
- cninu** W is new to A in feature P
- colku** P is silk/made of silk
- comtu** A feels ashamed of being/doing D
- condi** G is deeper than L by amount Q
- corta** G is shorter than L by amount Q
- cpula** A pulls P to B from S
- crano** A smiles at P
- crina** B is rained on by S
- cteki** Q is a tax imposed on B by A for use D
- ctifu** P is stuff/matter/material
- ctuda** O is the feces of S
- cundo** P is a window of W
- cupri** P is copper/a quantity of copper (Cu)
- curca** P is safe from danger C
- curdi** A insures B against hazard P for fee Q
- curta** P is a shirt/upper-body garment
- cutci** P is a shoe
- cutri** P is water an amount/expanse of water
- cutse** S says O to B
- dakli** G is more probable/likelier than L under conditions C
- daira** Q is a dollar/is worth a dollar
- damni** G is down/lower than L by measurement P in gravity field C
- dampa** D is a pump for pumping P from S into O
- danci** O is plan/design for D/doing D by planner S
- danri** G is more ordinary than L in features P
- dansa** A dances to P
- dante** P is a tooth of W
- danza** A desires/wants state/object P for purpose O
- dapli** A replies to person B with answer/response P
- darli** G is farther than L from P by route D
- darto** P is a door of/in W
- daspa** A is responsible for object/person P to B
- decti** P is a tenth/tenth part of W
- dedjo** P is a finger of W
- dekto** W is ten of/tenfold P
- denli** P is the daytime of day W
- denro** P is a danger/dangerous to A in situation C
- dertu** P is dirt soil/earth from/of W
- detra** O is a daughter of S and S
- dilko** G is more delicious/delicate than L to A
- dilri** A represents P in setting C, of persons
- dipri** P is dear/precious to A
- dirco** P lies in the direction B/of B from S
- dirlu** A loses person/thing P
- dislu** A discusses topic P with A
- disri** A decides D/to do D about P
- ditca** A teaches B to do/know D
- ditka** A bites B on/at locus P
- djano** A knows P about W
- djela** G is well/healthier than L
- djesi** A digests P
- djeta** A owes P to S for loan/service O
- djine** A is joined to B at P
- djipo** W is important to B in/for P

- djitu** G is tighter than L on P  
**djori** P is a member/element of group/set W  
**djoso** A sews P to B  
**djoto** P is the toe of W  
**djudi** A judges P to be O  
**djula** P is a jewel in/of jeweled object W  
**djupo** A supports B by/with D  
**donsu** A gives B gift P  
**dorja** A is at war with B over P  
**dotca** P is German/of the - language  
**dotci** A is a German person  
**dotco** D is German/of the - culture  
**dotra** P is the winter of year W  
**draka** G is darker/less illuminated than L by amount Q  
**drani** G is drier than L by amount Q  
**drara** B is a drawer of/containing P  
**dreti** P is correct by standard C  
**drida** P is a drop of liquid W  
**driki** A remembers P about W  
**dugri** P is a unit of/degree on scale W  
**dupma** A deceives/tricks B about P by D  
**durna** P adorns/is an adornment of B  
**durzo** A does D to B  
**dustu** P is dust  
**dutci** A doubts that P is true of W  
**duvri** A discovers P about W  
**dzabi** P exists for A/is non-fictitious to A given metaphysics C  
**dzaso** P is soap/an amount of soap  
**dzeli** P is jelly/an amount of jelly  
**dzoru** A walks to B from S via D  
**fagro** O is a fire in/fed by fuel S  
**falba** A fails to do/be D under conditions C  
**falji** O is false, as of sentences, under epistemology C  
**famji** W is a family composed of members P  
**famva** P is famous for D among W  
**fando** P is the end of thing/process/interval W  
**fanra** P is a farm in countryside/community W  
**fanve** P is the reverse of P/in reverse order from P  
**farfu** S is the father of O with mother A  
**farka** D is an arch over P  
**fasli** P is the face of W  
**fasru** D is easy for A under conditions C  
**fatru** A troubles/disturbs B by being/doing D  
**fekto** O is a fact about event S to observer A  
**felda** P falls to B from S in gravity field C  
**femdi** P is a female of species W  
**ferci** P is a matter/affair/concern of/involving B  
**fernu** P is iron, Fe  
**ferti** G is more fertile than L for crops O  
**festi** A wastes B on/by doing D  
**fibru** G is weaker than L at tasks D by amount Q  
**fieli** P is a fish  
**fikco** O is fiction/a work of fiction by writer S  
**fildi** P is a field of farm/community W  
**filmo** A feels O about P  
**firpa** A fears P/that P  
**fitpi** P is a foot of W  
**fizdi** P is physical/non-mental  
**flaci** O is the flag of P  
**flaki** P is a fly  
**flami** O is a flame of S  
**flati** A inflates P with S to dimension Q  
**fleti** A flies to B from S via D  
**fidu** P is a liquid from temperature C to C  
**flofu** P floats on/in B  
**flora** O is a flower of plant S  
**foldi** A folds P Q times  
**folma** G is fuller than L of/by P  
**fordi** P is the floor of W  
**forka** P is a fork  
**fortli** G is stronger than L at tasks D  
**forma** P is the form/shape of W  
**fosli** A forces/compels B to do/be D  
**fotpa** G is fatter/stouter than L  
**fragu** P is foggy/covered by fog  
**fraki** P is a franc/worth a franc  
**frama** P is the frame of/around W  
**frasa** P is French/of the - language  
**frasi** A is a French person  
**fraso** D is French/of the - culture  
**fremi** A is a friend of B  
**frena** A is in front/ahead of B  
**frese** G is fresher than L  
**frezi** P is free to do/be D  
**fruta** O is a fruit of S  
**fulri** G is rich/wealthier than L in dimension P  
**funna** P is a woman  
**fundi** A likes G more than/prefers G to L  
**fusto** P is the office of W  
**futbo** A plays football with A  
**futci** G is after/future/after than L  
**gancu** A wins prize P from/over competitors C

- gandi** A is the god of B  
**ganli** A organizes P into system W for function O  
**ganta** G is higher than L by amount Q in gravity-field C  
**gardi** O is a/the garden of family/community S  
**garni** A rules/governs B  
**garti** B is grateful to S for O  
**gasno** P is the anus of W  
**gasti** P is steel/made of steel  
**genza** P is a recurrent instance of W  
**getsi** A gets P from S for purpose O  
**gigdo** W is a billion/billion fold of P  
**ginna** A is a gymnast at feat D  
**ginru** P is a/the root of plant W  
**gleca** P is English/of the - language  
**gleci** A is an English person  
**gleco** D is English/of the - culture  
**glida** A guides P to B from S via D  
**gliso** P is glass/made of glass  
**gluva** P is a glove  
**godru** P is a drain of S into B  
**godzi** A goes to B from S via D  
**gokru** P is a hook  
**goltu** P is a throat of W  
**gomni** A adheres/sticks to B  
**gotca** P is a goat  
**gotri** D is an industry producing O among P  
**grada** G is greater than L by standard C  
**gramo** P is/weights a gram  
**grasa** P is a blade/an expanse of grass  
**grato** P is a cake  
**gresa** P is an amount of grease/fat/oil  
**grisi** G is greyer than L  
**gritu** S sings O to B  
**groci** A is angry at P for doing D  
**groda** G is bigger than L by amount Q  
**grunu** O is grain from source S  
**grupa** W is a group composed of members P  
**gudbi** G is good/better than L for purpose O  
**gunti** W is the country/territory of people P  
**gusto** P is the taste/flavor of food W  
**gutra** W is strange to A in features P  
**hanco** P is a hand of W  
**hapei** A is happy about P  
**hardu** G is harder/more resistant than L  
**harko** P is a shelter for B from A  
**harmo** P is more harmonious with P to A  
**hasfa** P is a house/dwelling/home of B  
**hatro** G is hotter than L by amount Q  
**hedto** P is the head of W  
**hekto** W is one hundred/a hundred-fold P  
**helba** A helps B do D  
**herba** P is a plant in/from habitat W  
**herfa** P is hair/a strand of hair of W  
**hidro** P is hydrogen, H  
**hijra** A attends/is present at P  
**hinda** P is Hindi/of the - language  
**hindi** A is an Indian person (Hindu)  
**hindo** D is Indian/of the - culture (Hindu)  
**hirti** A hears sound P over/against noise C  
**holdu** P is a hole/pit/depression in surface B  
**hompi** A drinks P from B (or a-o-s)  
**horma** P is a horse  
**horno** P is a horn/antler of W  
**hospa** P is the hospital of community W  
**hotle** P is the hotel of community W  
**hozda** P is hose/stocking/sock  
**humni** P is human/a human being  
**hutri** A destroys B  
**jaglo** O is the angle between points S  
**jalti** W is the product of P multiplied by P  
**janro** G is narrower than L by amount Q  
**janto** A hunts prey/quarry B  
**jmite** A meets A at in B  
**jokla** P is a clock  
**jorto** P is a hour/lasts an hour  
**jugra** A grabs/grasps/siezes B with P  
**junga** P is Chinese/of the - language, 'Zhungwo'  
**jungi** A is a Chinese person, 'Zhungwo'  
**jungo** D is Chinese/of the - culture 'Zhungwo'  
**junti** G is younger than L by amount Q  
**jupni** A thinks P is true of W  
**jurna** A earns wages O for work/service D  
**kabna** P is a/the cabin of passenger B  
**kabre** P is a nightclub of community W  
**kafso** A coughs up/out O  
**kakto** A undertakes action D with purpose O  
**kalra** P is a collar of garment W  
**kambi** A compares W to/with W in features P  
**kamda** A fights B over P  
**kamki** P is funny to A by being/doing D  
**kamla** A comes from S to B via D  
**kampo** O is a camp of S at B  
**kamra** P is a camera  
**kamti** P is a committee of organization W with function/task O  
**kance** A is conscious/aware of P  
**kangu** P is a dog  
**kanla** P is a canal between points S over route D

- kanmo** A can/is able to do D under conditions C
- kanpi** A competes with B for/over P
- kanra** P is a cane/rod
- kanti** O is a bill for goods/services P to B from/by S
- kapli** P is complete by standard C
- kapma** P is a hat/cap
- kapni** P is open/not shut
- kapta** A is the captain of P, nautical
- karci** P is the heart of W
- karda** P is a card
- karku** A is a crack/fissure in surface B
- karsa** A is across B from P
- karti** P is a cart/carriage/wagon
- kasfa** A punishes B for doing/being D by O
- kasni** P is cow/cattle
- katca** A watches/observes P doing/being D
- katli** W has quality/feature P
- katma** P is a cat/a feline animal
- katna** O is cotton from source S
- kecri** A is sad/sorrowful about P
- kekti** A kicks B
- kemdi** P is a chemical/a chemically pure state of substance W
- kenti** O is a question about P put by S to B
- kerju** A cares for/takes care of B
- kerti** P is air/a quantity of air
- ketli** B is a kettle of/containing P
- ketpi** P is a ticket to B from S on carrier A for price Q
- kicmu** A treats/doctors B for infirmity P with D
- kilto** W is a thousand/a thousand fold P
- kinci** A is with P/accompanies P in doing/being D
- kinku** G is sharper than L
- kitsa** A copulates with A
- klabu** P is cloth/an amount of cloth
- klada** O is a cloud of air-mass S
- kleda** G is colder/cooler than L by amount Q
- klesi** P is a class of W with defining property C
- klini** G is cleaner than L
- klipu** A keeps/retains B in her/his possession
- kliri** G is clearer/more transparent than L
- klogu** P is closed, as a door
- kokfa** A cooks P for B
- kolme** P is coal/an amount of coal
- kolro** P is a color perceived by A
- komcu** P is a comb
- komfu** G is more comfortable than L to A
- kompi** P is a company chartered by agency A for purpose O
- konbi** P is the vulva/vagina or W
- konsu** O is the consul of country S in place B (or p-w-b)
- konte** Q is the numerical count/number in set W
- kopea** O is a copy of S
- koree** P is cord rope/an amount of cordage
- korji** A orders/commands P to do D
- korka** P is a cork/a piece of cork from source W
- korti** P is the body of organism W
- korva** W is a curve through points P
- kosta** P is a coat
- kraco** A smashes/crushes W into pulp P
- kraju** A scratches B
- kraku** A cries/cries out
- krani** A drives/makes P go to B from S
- kredi** A extends credit to B in amount Q on conditions C
- kreni** O is a ray/partecle/wave from energy source S
- krido** A believes O to be true of/about P
- krilu** P is a wheel of device/vehicle W
- krima** O is cream from source S
- krinu** P is a nut/kernel of plant W
- kroli** O is a current flowing from S to B
- kruli** A is cruel to B
- kruma** P is a room of/in W
- kubra** G is broader/wider than L
- kukra** G is faster than L by amount Q
- kultu** O is the culture of people(s) S
- kumtu** P is a common to/universal in set W
- kunci** A is related to P by relation S
- kupta** B is a cup of/containing P
- kurfa** W is a square with vertices P
- kurma** P is a worm
- kurni** A warns B of/about danger P
- kurti** P is a curtain of/across aperture B
- kusmo** D is a habit/custom of S under conditions C
- kuspo** A spreads over area B/expands into B
- kusti** G is more expensive than L for doing D
- kutla** A cuts W into pieces P
- kutra** G is more bitter than L to A
- kuvga** A covers/is a cover of P
- kuvla** P is a cave/cavity/cavern in B
- ladzo** P is a louse
- lakse** O is wax from source S
- laldo** G is older than L by amount Q
- landi** P is a parcel/expanse of land

- langa** G is longer than L by amount Q  
**larte** D is an art/technique of making O among P (or s)  
**lasti** G is more elastic than L  
**latci** G is lighter/less heavy than L by amount Q in gravity-field C  
**ledri** O is a clap of thunder/bolt of lightning from S to S  
**ledzo** A is to the left/left-hand side of B  
**lelpi** P is level/horizontal in gravity-field C  
**lengu** O is a/the language of people(s) S  
**lenki** A is an electric charge on B  
**lenzo** P is a lens of optical system W  
**lerci** O is a letter to B from S about P  
**lesta** G is east of/more eastern than L  
**letci** A lets/permits B to do D under conditions C  
**letra** P is a letter in alphabet/character set W  
**lidji** D is a religious practice/religion of people S  
**likro** P is liquor/distilled spirits  
**likta** P is a week of month/year W  
**lilfa** O is a law proscribing acts D to actors A under conditions C  
**limji** A limits P/is the limiting value/bound of P  
**linbu** O is linin from source  
**linco** G is thinner than L by amount Q  
**lista** O is a list of the elements of set S as ordered by principle A  
**litla** O is a light from source S on surface P  
**litnu** A restrains/keeps B from doing D  
**lodji** D is a logical rule/principle for reasoning from S to O  
**logla** P is Loglan/of the - language  
**logli** A is a Loglander/loglaphone  
**loglo** D is Loglandic/of the - culture  
**lokta** A is local to/confined to B  
**lufta** A lifts P to B from S under gravity-field C  
**lunli** O is wool from source S  
**lunra** P is lunar/pertaining to Earth's moon  
**lusta** G is west of/more western than L  
**madji** A performs magic before B  
**madzo** S makes state/object W out of materials P  
**magne** P is a magnet/magnetic  
**makri** P is a Mark/is worth a Mark  
**malbi** B is sick with disease/malady O caused by S  
**malna** O is milk of/from source S  
**mande** A manages function P in organization W  
**manko** P is the mouth of W  
**manti** P is an ant of hill/colony W  
**marka** P is a mark on B made by A  
**marli** P is a mile/a mile long  
**marpi** P is a snake/serpent  
**marto** P is a market of community W  
**matci** P is a machine for use/function D  
**matma** S is the mother of O with father A  
**megdo** W is a million/a million-fold P  
**melno** O is a melon from source S  
**mendi** P is a male of species W  
**menki** P is an eye of W  
**mensa** P is a month of year W  
**merji** A is married to A  
**merka** P is the/an American dialect  
**merki** A is an American person  
**merko** O is the/an American culture  
**merli** A measures P to be/have value Q on scale C  
**metca** P is a match, an incendiary device  
**metli** P is metal/metallic/made of metal  
**metro** P is a meter/a meter long  
**midju** A is in the middle/center of figure/solid B  
**miksa** O is a mixture of ingredients P  
**mikti** P is a millionth/a millionth part of W  
**mildo** A is mild/gentle to/with B  
**milfa** W is a meal composed of foods/dishes P  
**milti** P is a thousandth/a thousandth part of W  
**minku** O is an ore/mineral from source S  
**mintu** P is a minute/lasts a minute  
**mipli** P is an example of W  
**mirdo** W is ten thousand/ten thousand of P  
**misme** P is maize/corn from source S  
**mitro** P is a piece of meat from animal/source W  
**modvi** S is the motive to A for doing D under conditions C  
**molci** P is a mill of community W  
**moiro** G is softer/more malleable than L  
**monca** P is a mountain/hill of land mass W  
**monza** P is the morning of day W  
**mordu** G exceeds/is more than L in property P by amount Q  
**morto** P is dead  
**motci** P is a motor  
**mrenu** P is a man/a male human  
**mroza** P is a hammer  
**mubre** O is wood from source S

- munce** W is a community of organisms P  
**murki** P is a monkey  
**mursi** P is a sea on planet W  
**muslo** P is a muscle of W  
**mutce** G is more extreme than L in quality/feature P  
**muvdo** A moves to B from S over path P (or D)  
**muzgi** O is music/a piece of music by composer S  
**nable** P is a problem to B in task/inquiry D  
**nadri** P is sodium, Na  
**nadzo** P is now/current/simultaneous with P  
**najda** P is a knife  
**nakso** A fixes/repairs P for use/user D  
**naldi** P is a nail/a driven metal fastener  
**namci** P is the name of B to/used by A  
**nanda** P is knot in/between (cords) W  
**nanti** P is a billionth/a billionth part of W  
**nardu** D is difficult for A to do/be under conditions C  
**narmi** P is an army of W  
**narti** P is separate/apart from P  
**natli** P is the night/night-time of day W  
**natra** P is a natural phenomenon/not caused by humans  
**nazbi** P is the nose of W  
**nedza** P is in contact with/next to P  
**negda** O is an egg of S  
**nemdi** B is an/the enemy/foe of A in struggle P  
**nenri** A is in/inside/the interior of B  
**nensu** O is a/the nest of S  
**nerbi** S is a factually necessary condition for process O  
**nerji** G has more potential energy/capacity for doing work than L by amount Q  
**nervi** A is nervous about P  
**nesta** A is honest with B about matter P  
**netre** P is a net  
**nidla** P is a needle  
**nigro** G is blacker than L  
**nikle** P is nickel, Ni  
**nikri** O is cheese from source S  
**nilca** A is vertically below B in gravity-field C  
**nimla** P is an animal in/from habitat W  
**nirda** P is a bird  
**nirli** P is a girl/a female human child  
**nirne** P is a year of epoch W  
**nitci** G is neater than L  
**nitro** P is nitrogen, N  
**nordi** G is north of/more northern than L  
**norji** G is more orange than L  
**norma** P is the average/mean distribution of W  
**notbi** P is other/not the same as P  
**numcu** P is a number  
**nurvo** P is a nerve of organism W  
**nutra** P is neutral in dispute D between A (and A)  
**muzvo** O is a piece of news about P from source S  
**packe** P is a pocket in of garment W  
**padzi** P is a cushion/pillow/pad  
**pafko** A digs up B out of/from S  
**palci** P polish/a quantity of polish  
**palto** O is a potato from source S  
**panba** B is a pan/basin/shallow container of/containing P  
**pandi** P is a pound, a monetary measure/worth a pound  
**panko** A panics/is panicked by S  
**pantu** P is a pair of pants/trousers  
**papre** P is a piece/sheet of paper  
**parti** P is a part of W  
**pasko** G is before/earlier than L  
**paspo** O is a passport issued to P by S for travel to B  
**pasti** P is paste/glue/a quantity of paste/glue  
**patce** P is an apparatus for doing D  
**patpe** P is a pot/a deep container  
**pazda** A waits for event/person P before doing D  
**pelpi** P is leather/skin/hide from animal W  
**pelto** G is more yellow than L  
**penbi** P is a pen/writing instrument  
**pendi** P hangs from B  
**penja** P is a sponge  
**penso** A thinks about P  
**penta** P is/the point of W  
**perli** O is a pear from source S  
**pernu** P is a person  
**perti** P is about/pertains to/concerns B  
**pesro** P is a peso/worth a peso  
**pesta** P is a peseta/worth a peseta  
**petci** A pays Q to S for goods/services P  
**petri** A distributes/shares P to/among B  
**pidri** P is a page of document W  
**pifno** G is more frequent than L under conditions C  
**pikti** P is one trillionth/a trillionth part of W  
**pilno** W is a plane surface through points P

- pinca** O is urine from S  
**pinda** P is a pin  
**pingu** P is the penis of W  
**pinsi** P is a pencil, a writing implement  
**pinti** P is paint  
**pirle** P is parallel to P  
**pisku** P is a piece of W  
**pismi** A is at peace with B  
**plado** P is a plow  
**plata** B is a plate of P  
**pleci** A plays with B  
**pligo** O is an apple from source S  
**plizo** A uses means S for end O  
**pluci** A pleases B by being/doing D  
**pluma** P is a feather of W  
**poldi** W is a state/nation/polity of citizens P  
**ponda** A responds with D to stimulus S under conditions C  
**ponja** P is Japanese/of the - language, 'Nippon-jin'  
**ponji** A is a Japanese person, 'Nippon-jin'  
**ponjo** O is Japanese/of the - culture, 'Nippon-jin'  
**ponsu** A owns P under law/custom C  
**porju** P is a pig/a piece of pork  
**porli** A has power over B (to make B do D)  
**posta** A posts mail to B from S by postal system W  
**pozfa** A opposes B on issue P  
**prali** O is the profit to B from transaction S (or p-b-w)  
**prano** A runs to B from S over path P  
**prase** D is a process/proceeding through stages P (of system W)  
**prati** P is the price of W to B set by vendor A  
**preni** B is a prisoner of A for doing/being D  
**prire** A is in back of B  
**prizi** P is private to person W  
**proju** S produces O by process D  
**proza** O is prose/a prose work by S  
**pruci** D is a test of/for property/condition P in class W  
**prusa** A approves of plan/action O by agent S  
**prutu** A protests P/against P to S by action D  
**publi** G is more public among people B than L  
**pubmu** P is lead/a quantity of lead, Pb  
**pucto** A pushes P to B from S via D  
**pudja** P is a thumb of W  
**pudru** O is powder from source  
**pulso** A is impelled to D/feels an impulse to do D  
**pundo** P weighs a pound  
**punfo** G is purer/more homogeneous/uniform than L  
**puntu** B feels pain/is sore in body part P  
**pureu** G is poorer than L in dimension P  
**purda** P is the/a word for W in language O  
**purfe** P is perfect by standard C  
**purpu** G is more purple than L  
**radlo** P is a radio receiver in network W  
**rande** P is round/circular/a disk/circle  
**ranjo** A extends/ranges over region B  
**ranta** G is more rotten than L  
**rasto** P is brass/made of brass  
**ratcu** P is a rat  
**raznu** P is a reason for A to do D under circumstances C  
**redro** G is redder than L  
**renro** A throws P to/at B  
**resfu** P is a garment/clothing  
**resra** P is a restaurant of community W  
**resto** A rests/reposes/lies down on B  
**retca** W is different from W in property/properties P  
**retpi** O is a/the answer/reply given by S to question(er) A  
**revri** A dreams P/that P  
**ridle** A reads P from surface/document C  
**rilri** G is more regular/periodic than L  
**rindi** A is an Amerind person  
**rinje** P is a ring/band on/around B  
**rinta** P is rhythm of W  
**rirda** O is the record of event/process D on medium B  
**rirgu** P is a buttock of W  
**rismi** O is rice from source S  
**rispe** A respects P for doing/being D  
**riteo** A is to the right/right-hand side of B  
**ritna** O is wheat from source S  
**rodja** S grows naturally into O  
**rodlu** P is a/the road between places B via route D  
**rofsu** G is rougher/more abrasive than L  
**rolgu** P rolls/is a cylinder  
**romni** A is a Roman person  
**rozme** O is a rose from source S  
**rubli** P is a ruble/worth a ruble  
**rulni** O is a rule prescribing D to A under conditions C  
**rulpi** P is a rupee/worth a rupee  
**ruska** P is Russian/of the - language, 'Russkii'  
**ruski** A is a Russian person, 'Russkii'

- rusko** O is Russian/of the - culture, 'Russkii'  
**rutma** D is a/the route to B from S via P  
**sadji** G is wiser than L about/in matter P  
**sagro** P is a cigar  
**sakli** B is a sack of/containing P  
**sakta** P is sugar (o is sugar from s)  
**saldi** P is solid below temp. and pressure C  
**salfa** P is a sail of vessel/boat W  
**samto** P is the same thing as P  
**sanca** O is sand from source S (or p-s)  
**sange** A suggests action D to P  
**sanla** P is an umbrella  
**sanpa** O is a sign of S to A disposing/urging behavior D under conditions C  
**sanse** A senses stimulus P under conditions C  
**santi** G is quieter than L  
**sapla** G is simpler than L on parameter/in respect P  
**sarni** G is more sour than L to A  
**satci** P is the beginning/origin of process/interval W  
**satro** A strokes/rubs B with P  
**sekci** A courts/flirts with/behaves sexually towards P  
**sekmi** P is a second/lasts a second  
**sekre** P is the secretary of B  
**sekta** P is an insect  
**selji** P is a/the self/self-image of person W  
**sensi** P is the science of/about W  
**sentu** P is holy/sacred to B  
**setci** W is a set comprising members/elements P  
**setfa** A sets/places P at/on B  
**sidza** O is a seed of S  
**sigre** P is a cigarette  
**siltu** A shakes/oscillates at rate Q  
**simba** P is a lion  
**simci** P seems/appears to be O to A under conditions C  
**sinma** O is a cinema/movie made by S  
**sirna** A is certain of the truth of sentence P  
**sisto** W is a system with function O composed of elements P  
**sitci** P is a town/city of region/country W  
**sitfa** P is the site/place/location of A  
**skaca** P is a/the Scot -tish dialect  
**skaci** A is a Scot -tish person  
**skaco** O is Scot -tish culture  
**skafe** P is a cafe of community W  
**skafi** P is coffee  
**skalu** D is a scale for measuring P among W  
**skapi** P is the skin/rind/outer covering of W  
**skara** P is a skirt  
**skati** P is sky/an expanse of sky at B  
**skesa** A kisses B on/at P  
**skitu** A sits on P  
**skizo** P is a ski  
**skori** P is a screw, a threaded device  
**slano** G is slower than L by amount Q  
**sliti** G is sweeter than L to A  
**slopu** G is steeper than L by amount Q  
**sluko** P is the lock of/on W  
**smano** O is a quantity of smoke from source/fire S  
**smike** P is secret/hidden from B by A  
**smina** P is the mind of W  
**smupi** G is smoother than L by amount Q  
**snatu** P is tin/a quantity of tin, Sn  
**sneku** P is the neck of W  
**snice** P is a quantity/expanse of snow  
**snire** G is nearer than L to P by amount Q  
**snola** S entails/implies O by rules/logic C  
**socli** A interacts/interacts socially with A  
**sofna** P is a sofa  
**sokcu** O is an oak from source S  
**solda** P is a soldier of army/nation W  
**solra** P is solar/pertaining to Earth's sun  
**solte** P is salt/an amount of salt  
**sonda** O is a sound emitted/produced by S  
**sonli** P sleeps/is asleep  
**sordi** P is a store/reserve/deposit of W  
**sorgu** P is an ear of W  
**sorme** O is a sister of P with parents S  
**spadi** P is a mattress/pallet  
**spali** P is a side of object W bounded by edges D  
**spana** P is Spanish/of the - language  
**spani** A is a Spanish person  
**spano** O is Spanish/of the - culture  
**spasi** W is the region/space/volume occupied by P  
**spebi** O is specific to S in set/among W  
**speci** P is a species of genus W  
**speni** A experiences P  
**spetu** O is a quantity of spit from S  
**spicu** P is a spirit/ghost of B perceived by A  
**spopa** A hopes that P will happen  
**spori** P is a spring/an elastic device  
**spuro** A is competent in/skilled at doing D under conditions C  
**sputa** P is a spoon  
**srisu** A is serious about P  
**srite** S writes O on surface B (with means P)  
**stadi** P is the stage/platform of hall/

- theatre W
- staga** P is the stem/stalk/trunk of W
- stali** A stands in/on B
- stana** P is a station in transport system W
- stari** A surprises B by being/doing D
- steti** O is a sentence/statement about P in language S
- stifa** G is stiffer than L in direction B
- stire** P is a stairway/a set of stairs of structure W
- stise** A stops doing/being D
- stolo** A stays/remains at/with B
- stuci** O is a story about P told by S
- stude** A is a student of D at institution W
- stuka** W is a stick of/made of P
- stuli** A adjusts P for function O
- sucmi** A swims to B from S via D
- sudna** P is sudden/abrupt to A
- suksi** A achieves/succeeds in O by effort S
- sulba** P is a swelling of/on/in W caused by S
- sulfa** P is sulfur/a quantity of sulfur, S
- sumji** W is the sum of P and/plus P
- sundi** A sends P to recipient B from S via route D
- sunho** O is a/the son of parents S and S
- supta** W is a soup/stew of ingredients P
- surdi** G is south of L
- surna** A hurts/damages/injures B at/in P
- surva** A serves B in/by doing D
- sutme** O is the odor emitted by S
- tabko** P is tobacco
- takna** A attacks P with goal/objective O
- takna** A talks to/speaks to B about P
- talna** P is Italian/of the - language
- talni** A is an Italian person
- talno** O is Italian/of the - culture
- tarci** P is a star of galaxy W
- targo** A argues with/debates A that/over P
- tarle** A is tired by effort D
- tarmu** P is a weapon for use D
- tasgu** A is disgusted by P
- tatro** P is a theatre of community W
- tcaku** A shocks B with/by P
- tcali** P is a wall of/around W
- tcaro** P is a car/truck/motor vehicle
- tcati** O is tea from source S
- tcela** P is a/the wing of W
- tcena** P is chain/a length of chain
- tceru** A penetrates B in direction O
- tceti** P is the chest/breast of W
- tcidi** P is a piece of food to A
- tcina** P is the chin of W
- teoko** P is chocolate/an amount of chocolate
- teori** A is an authority in/on/over P
- teure** O is a picture of P made by S
- tedji** A pays attention to P
- tekto** S is the architect of O
- telfo** P is a telephone receiver in network W
- telvi** P is a television receiver in network W
- tenri** A increases by quantity Q in dimension P during time C
- tenta** P is a tent, a fabric dwelling of B
- tepli** P is a church/temple of religion B
- terla** P is terrestrial, pertaining to Earth
- testi** P is a gonad (testicle or ovary) of W
- tetcu** A stretches to length Q from length S
- tetri** P is a weather phenomenon of place/region W
- tidjo** G is heavier than L by amount Q in gravity-field C
- tifru** A offers P to B for use D
- tigra** P is a tiger
- tilba** P is the tail of W
- tinmo** P is ink/an amount of ink
- tirca** P is wire/a length of wire
- tisra** A selects P from/among set W
- titei** A eats B
- titfa** P is a breast/teat of W
- tobme** P is a table
- tocki** P is a key to (lock) W
- togri** A agrees with B about/that P
- tokna** A takes P away from B
- tokri** O is chalk from source S
- tomki** P is automatic in function D
- tomto** O is a tomato from source S
- tongu** P is the tongue of W
- torni** P twists/is twisted under load C
- tosku** P is the skull of W
- totco** A touches B with body part P
- totnu** G is thicker than L by amount Q
- tovru** A is vertically above P in gravity-field C
- traci** A travels to B from S by route D
- tradu** O is true, as of sentences, by rule/standard C
- trali** B is a tray of/containing P
- trana** A turns around axis P
- trati** A tries to do attain O by effort S
- trecei** W is interesting to A in aspect P
- trelu** P is a rail/railing/bar
- trena** P is a train of system W
- tricu** P is a tree
- trida** P is the street of W

- trili A attracts B by being/doing A  
 trime P is an implement for doing D  
 troku O is a rock/stone from source S  
 troli A controls B in performance D  
 trufa P is the roof of W  
 truke P is a/the structure/load-bearing portion of W  
 tsani D is a sneeze  
 tsero P is an error of/in W by standard C  
 tsime A behaves criminally according to laws O among S  
 tsodi A hates P for doing/being D  
 tsuffi P is enough/sufficient for purpose O  
 tubli P is a tube/a length of tubing  
 tugle P is a leg of W  
 tulpi O is a tulip from source S  
 turka A works at/on B with goal O  
 vaksi P is a vaccine against disease O in/among B  
 valda S develops into/toward O, as of ideas/systems  
 valna A is violent in response to P  
 valpu P is a wave in medium W  
 valti A vaults/jumps over/across P  
 vantu S vomits/throws up O on/in P  
 vapro P is a gas/gaseous above temperature and pressure C  
 vatli P is the value of W to A for use D  
 vedma A sells P to B for price Q  
 vegri G is greener than L  
 vendu P is a poison to/poisonous to organism A  
 veslo B is a vessel of/containing P  
 vetci D happens to objects/persons B  
 vetfa S invents P for use/function D  
 vidju P is a view of W from point C  
 vidre O is an idea about P by thinker S  
 vinjo P is wine/an amount of wine  
 virsa O is verse/a poem by poet S  
 virta O is an advertisement of/for P in medium B  
 visra P is the gut/viscera of W  
 vizka A sees P against background C  
 vlaci A washes B in/with P  
 vlako P is a lake of/in land mass W  
 volsi O is the voice of individual S  
 volta P is a volt/has a volt, e.m.f  
 valti A vaults/jumps over/across P  
 vrano P is the liver of W  
 vreti A is vertical in gravity-field C  
 vrici O is a river of land mass W  
 zakra A crushes/grind W into powder/particles P  
 zavlo G is bad/worse than L for purpose O  
 zavno P is an oven  
 zbuma W bursts/explodes into fragments P  
 zinko P is zinc, Zn  
 zhupi P is the lip of W  
 zvoto A is outside of/exterior to P

**LIST 5. THE TEACHING CORPUS**  
(LWs listed where 1st used)

**A. Imperatives & Responses (18)**  
(eo ao ai ae ti tu mi no)

- A01 Hapci  
hapci  
Be Happy!
- A02 Eo skitu  
eo skitu  
Please sit!
- A03 Stali eo  
stali eo  
Stand up, please!
- A04 Hompi ti  
hompi ti  
Drink this!
- A05 Ao kerju tu  
ao (kerju tu)  
I want you to take care of  
yourself!
- A06 Ai mi kerju mi  
ai (mi [kerju mi])  
Yes, I'll take care of myself.
- A07 Eo helba mi  
eo (helba mi)  
Please help me!
- A08 Ao no mi helba tu  
ao (no [mi (helba tu)])  
I don't want to help you.
- A09 No takna  
no takna  
Don't talk!
- A10 Ae no takna mi  
ae ([no takna] mi)  
I wish you wouldn't talk to me.
- A11 Eo no godzi  
eo (no godzi)  
Please don't go!

- A12 No totco mi  
(no totco) mi  
Don't touch me!
- A13 No mi totco tu  
no (mi [totco tu])  
I'm not touching you.
- A14 Ae no mi puneko tu  
ae (no [mi (puneko tu)])  
I hope I'm not hurting you.
- A15 Eo no nordri mi  
eo ([no nordri] mi)  
Please don't forget me!
- A16 No eo nordri mi  
([no eo] nordri) mi  
Don't, please, forget me!
- A17 No nordri eo mi  
(no [nordri eo]) mi  
Don't forget, please, me!
- A18 No nordri mi eo  
(no nordri) (mi eo)  
Don't forget me, please!

**B. Address & Response; Offers & Replies (20)**

- (loi loa sia siu ea oi mu)
- B01 Djim  
djim  
Jim.
- B02 Loi  
loi  
Hello!
- B03 Eo nenkaa  
eo nenkaa  
Please enter.
- B04 Sia ai  
sia ai  
Thanks, I will.
- B05 Loi, Fred  
loi fred  
Hello, Fred.

- B06 Djin, loi  
djin loi  
Jean, hello!
- B07 Sia, Ted  
sia ted  
Thanks, Ted.
- B08 Oi resto  
oi resto  
You may lie down.
- B09 Sia ao no  
(sia ao) no  
Thanks, I don't want to.
- B10 Oi titci ti  
oi (titci ti)  
You may eat this.
- B11 Sia ao  
sia ao  
Thanks, I want to.
- B12 Siu, Selis  
siu selis  
You're welcome, Sally.
- B13 Sia ae no  
(sia ae) no  
Thanks, I hope not to. (I'd rather not.)
- B14 Ea mu gotso  
ea (mu gotso)  
Let's go. (I suggest we go.)
- B15 Ao  
ao  
I want to. (OK./Alright./etc.)
- B16 Eo mi titci ti  
eo (mi [titci ti])  
Please, I eat this? (May I eat this?)
- B17 Oi  
oi  
You may. (OK./Alright./etc.)
- B18 Eo no mi titci ti  
eo (no [mi (titci ti)])
- Please, I not eat this?
- B19 Oi no  
oi no  
You may not. (It's ok if you don't.)
- B20 Loa, Teet  
loa teet  
Goodbye, Chet.
- C. Addressing vs. Naming (23)**  
**(la ta e hoi)**
- C01 Djan, santi  
djan santi  
John, be quiet!
- C02 La Djan, santi  
(la djan) santi  
John is quiet.
- C03 Prano, Mel  
prano mel  
Run, Mel!
- C04 Prano la Mel  
prano (la mel)  
Run to Mel!
- C05 Prano ta, Mel  
prano (ta mel)  
Run to that, Mel!
- C06 Prano ta, Mel, e ti, Pol  
prano ([ta mel] e [ti pol])  
Run to that, Mel, and to this, Paul!
- C07 Keit, skesa mi  
keit (skesa mi)  
Kate, kiss me!
- C08 Skesa, Keit, mi  
(skesa keit) mi  
Kiss, Kate, me!
- C09 Skesa mi, Keit  
skesa (mi keit)  
Kiss me, Kate!
- C10 Skesa mi, Hoi Keit

- skesa (mi [hoi keit])  
Kiss me, O Kate!
- C11 Skesa la Bab, Hoi Keit  
skesa (la [bab (hoi keit)])  
Kiss Bob, O Kate!
- C12 Skesa la Bab Keit  
skesa (la [bab keit])  
Kiss Bob Kate (a person by the  
name of 'Bob Kate').
- C13 Karl, kukra la Dik  
karl (kukra [la dik])  
Carl, be faster than Dick.
- C14 La Karl, kukra la Dik  
(la karl) (kukra [la dik])  
Carl is faster than Dick.
- C15 La Stivn, sunho, Ruf  
(la stivn) (sunho ruf)  
Steven is a son, Ruth.
- C16 La Stivn, sunho la Ruf  
(la stivn) (sunho [la ruf])  
Steven is a son of Ruth.
- C17 La An, takna la Riterd, mi  
(la an) (takna [(la riterd) mi])  
Anne talks to Richard about me.
- C18 An, takna la Riterd, mi  
an (takna [(la riterd) mi])  
Ann, talk to Richard about me.
- C19 La Djeik, farfu, Djan, mi la Suzn  
(la djeik) ([farfu djan] [mi (la  
suzn)])  
Jake is the father, John, of me  
through Susan.
- C20 La Djeik, farfu la Djan, mi, Suzn  
(la djeik) (farfu [(la djan) (mi  
suzn)])  
Jake is the father of John by me,  
Susan.
- C21 Mel, prano la Djan Pol Djonz  
mel (prano [la (<djan pol> djonz)])  
Mel, run to John Paul Jones!

- C22 Prano la Djan Pol Djonz Mel  
prano (la [(<djan pol> djonz) mel])  
Run to John Paul Jones Mel!
- C23 Prano la Djan Pol Djonz, Hoi Mel  
prano (la [(djan pol) (djonz <hoi  
mel>)])  
Run to John Paul Jones, O Mel!

D. Descriptions (11)  
(le ne su gu)

- D01 Bleka le nirda  
bleka (le nirda)  
Look at the bird!
- D02 Eo penso le nable  
eo (penso [le nable])  
Please think about the problem.
- D03 Eo penso ne nable  
eo (penso [ne nable])  
Please think about one problem (i.e.,  
exactly one problem).
- D04 Eo penso su nable  
eo (penso [su nable])  
Please think about a problem (i.e.,  
at least one problem).
- D05 Ai mi ckano le bunbo  
ai (mi [ckano (le bunbo)])  
I will be kind to the fool.
- D06 Mi driki le purda  
mi (driki [le purda])  
I remember the word.
- D07 La Celdn, godzi le sitci  
(la celdn) (godzi [le sitci])  
Sheldon goes to the city.
- D08 Le rodlu ga gudbi le fitrua  
(le rodlu) (ga [gudbi (le fitrua)])  
The road is better than the path.
- D09 Le ditca ga fundi mi le groda  
(le ditca) (ga [fundi (mi <le  
groda>)])  
The teacher likes me better than  
(he does) the big one.

D10 Le troli ga plizo la Frenk, ne mipli  
(le troli) (ga [plizo (<la frenk> <ne  
mipli>)])

The controller uses Frank as one  
example.

D11 Le tcaro ga djipo le ponsu le kolro  
(le tcaro) (ga [djipo (<le ponsu>  
<le kolro>)])

The car is important to the owner  
for the color.

**E. Questions with he; Demonstratives &  
Plurals; Replacement with da (18)**  
(he da na ri ro levi leva)

E01 Tu he  
tu he  
You're what? (How are you?)

E02 Mi djela  
mi djela  
I'm well.

E03 Ta he  
ta he  
That's what? (What's that?)

E04 Da muzgi  
da muzgi  
It's music.

E05 Le cersi ga he  
(le cersi) (ga he)  
The chair is what? (How's the  
chair?)

E06 Da komfu  
da komfu  
It's comfortable.

E07 Da he komfu  
da (he komfu)  
It's how comfortable? (How com-  
fortable is it?)

E08 Da nurmue komfu  
da (nurmue komfu)  
It's moderately comfortable.

E09 Le nurtei he

le (nurtci he)  
The edible what?

E10 Le nurtci herba  
le (nurtci herba)  
The edible plant.

E11 Le botci ga he sucmi  
(le botci) (ga [he sucmi])  
The boy is what kind of swimmer?

E12 Le botci ga tarle sucmi  
(le botci) (ga [tarle sucmi])  
The boy is a tired swimmer.

E13 Leva he tcaro  
leva (he tcaro)  
That what-kind-of car?

E14 Leva tcaro he  
leva (tcaro he)  
That car-type-of what?

E15 Levi ri herba ga he  
(levi ri herba) (ga he)  
These few plants are what?

E16 Da vendu  
da vendu  
They're poisonous.

E17 Leva ro junti na he  
(leva ro junti) (na he)  
Those many young ones are now  
(doing/being) what?

E18 Da na takna  
da (na takna)  
They're now talking.

**F. Identity Questions & Sentences;  
Replacement with de & dui (25)**  
(ie bi hu i de dui)

F01 Da mrenu  
da mrenu  
He's a man.

F02 Ie da  
ie da  
Which he?

- F03 La Bab  
la bab  
Bob.
- F04 Ie la Bab  
ie (la bab)  
Which Bob?
- F05 La Bab, bi le hapci  
(la bab) (bi [le hapci])  
Bob is the happy one.
- F06 Da hapci hu  
da (hapci hu)  
He's happy about what?
- F07 Le ckela  
le ckela  
The school.
- F08 Ie le ckela  
ie (le ckela)  
What school? (Which "the  
school"?)
- F09 Le cninu ckela  
le (cninu ckela)  
The new school.
- F10 Ta bi le cninu ckela  
ta (bi [le (cninu ckela)])  
That is the new school.
- F11 La Selis, cluva  
(la selis) cluva  
Sally loves. (Sally is in love.)
- F12 Da cluva hu  
da (cluva hu)  
She loves whom?
- F13 Da cluva la Pit  
da (cluva [la pit])  
She loves Pete.
- F14 I de cluva hu  
i (de [cluva hu])  
And he loves whom?
- F15 La Alis  
la alis  
Alice.
- F16 Ie la Alis  
ie (la alis)  
Which Alice?
- F17 La Muhamed Alis  
la (muhamed alis)  
Muhamed Ali.
- F18 Da godzi la Italias  
da (godzi [la italias])  
He goes to Italy.
- F19 Da godzi de hu  
da (godzi [de hu])  
He goes to it from what? (He goes  
there from where?)
- F20 Da godzi de la Danmark  
da (godzi [de (la danmark)])  
He goes to it from Denmark. (He  
goes there from Denmark.)
- F21 Hu matma leva botci  
hu (matma [leva botci])  
Who is the mother of that boy?
- F22 Ti dui  
ti dui  
This (person) is.
- F23 Mi gudbi tu  
mi (gudbi tu)  
I'm better than you.
- F24 Tu gudbi mi hu  
tu (gudbi [mi hu])  
You're better than me at/for what?
- F25 Mi gudbi tu ti  
mi (gudbi [tu ti])  
I'm better than you are at/for this.
- G. Yes/No Questions & Answers;  
Utterance Demonstratives (12)**  
(ei ia toi toa)
- G01 Ei ti breba  
ei (ti breba)  
Is this bread?
- G02 Ia da breba

- ia (da breba)  
Yes, it's bread.
- G03 Ei ti ckela  
ei (ti ckela)  
Is this a school?
- G04 No. I da hasfa  
no . i (da hasfa)  
No; it's a house.
- G05 Ei ta hasfa  
ei (ta hasfa)  
Is that a house?
- G06 Ia no. I da vemsia  
ia no . i (da vemsia)  
Certainly not; it's a store.
- G07 Ei tu cidja  
ei (tu cidja)  
Are you awake?
- G08 No. I mi sonli  
no . i (mi sonli)  
No; I'm asleep.
- G09 Ei tu cluva mi  
ei (tu [cluva mi])  
Do you love me?
- G10 Ia mi cluva tu  
ia (mi [cluva tu])  
Yes, I love you.
- G11 Ei toi tradu  
ei (toi tradu)  
Is that true? (Toi refers to the  
last remark.)
- G12 Ei toa logla  
ei (toa logla)  
Was that Loglan? (Toa refers to  
an earlier remark.)
- H. Tenses; Time Questions & Answers;  
Local Modification; Punctuation (22)**  
(pa fa ji ipou nahu)
- H01 Ei tu na bleka mi  
ei (tu [na (bleka mi)])
- Are you now looking at me?
- H02 No. Ipou mi fa bleka tu  
no . ipou (mi [fa (bleka tu)])  
No. But I will look at you.
- H03 Ei tu pa tidjo mi  
ei (tu [pa (tidjo mi)])  
Were you heavier than me?
- H04 Ia mi pa mutce tidjo tu  
ia (mi [pa (<mutce tidjo> tu)])  
Yes, I was much heavier than you.
- H05 Eo tu fa helba mi  
eo (tu [fa (helba mi)])  
Please, will you (later) help me?
- H06 Ai mi fa helba tu  
ai (mi [fa (helba tu)])  
Yes, I will (later) help you. (Both  
senses of 'will' are involved.)
- H07 Mi groda tu  
mi (groda tu)  
I'm bigger than you.
- H08 Tu nahu groda mi  
(tu nahu) (groda mi)  
You as of when are, were, or will  
be, bigger than me?
- H09 Mi groda tu fa ti  
mi (groda [tu (fa ti)])  
I will be bigger than you hereafter  
(after this).
- H10 Mi penso toi fa  
mi (penso [toi fa])  
I will think about that later.
- H11 Na gi mi penso da  
(na gi) (mi [penso da])  
Now I'm thinking about it.
- H12 Na mi, penso da  
(na mi) (penso da)  
At me, think about it. (When I do,  
think about it.)
- H13 Na mi penso da  
(na mi) (penso da)

- At me, think about it. (When I do, think about it.)
- H14 Na gi la Djan, totco tu  
(na gi) ([la djan] [totco tu])  
Now John is touching you.
- H15 Na la Djan, totco tu  
(na [la djan]) (totco tu)  
When John (does), touch yourself.
- H16 Mi na totco tu  
mi (na [totco tu])  
I'm now touching you.
- H17 Mi ji na, totco tu  
(mi [ji na]) (totco tu)  
I, as of now, touch you. (I.e., the present-I touches you.)
- H18 Mi na fundi tu ji pa  
mi (na [fundi (tu <ji pa>)])  
I now like you as you were before.
- H19 Mi no fundi tu pa  
mi ([no fundi] [tu pa])  
I didn't like you then.
- H20 Ei tu na saadja toi  
ei (tu [na (saadja toi)])  
Do you now understand this?
- H21 Ia mi dui  
ia (mi dui)  
Yes I do.
- H22 No mi dui  
no (mi dui)  
No I don't.
- I. Time Phrases (21)**  
(pahu fahu fazi pazu tiu)
- I01 Ai mi ditca  
ai (mi ditca)  
I intend to teach. (I'm going to teach.)
- I02 Nahu  
nahu  
At what time/date/period?
- I03 Fa la Netomen  
fa (la netomen)  
After December.
- I04 Pa la Torin  
pa (la torin)  
Before the Second.
- I05 Na le monza  
na (le monza)  
In the morning.
- I06 Pahu  
pahu  
Before when?
- I07 Pa le natli  
pa (le natli)  
Before (the) night.
- I08 Fahu  
fahu  
After when?
- I09 Fa le cimra  
fa (le cimra)  
After the summer.
- I10 Fazi  
fazi  
Right away.
- I11 Fa la Nevesonin  
fa (la nevesonin)  
After 1960.
- I12 Na tiu gi mi pa clafo  
([na tiu] gi) (mi [pa clafo])  
At that (reported event), I laughed.
- I13 Fa ta gi ti rodja  
([fa ta] gi) (ti rodja)  
After that, this (will) grow.
- I14 Fa ta, rodja  
(fa ta) rodja  
After that, grow!
- I15 Fa gi ti rodja  
(fa gi) (ti rodja)  
Later this (will) grow.

- I16 Ti fa rodja  
ti (fa rodja)  
This will grow.
- I17 Mi kicmu pazu tu  
mi (kicmu [pazu tu])  
I was a doctor long before you  
(were).
- I18 Ai mi fa traci na la Nenimen  
ai (mi [fa (traci <na (la  
nenimen)>]])  
I intend to travel in October.
- I19 Na la nenimen gi mi fa traci la  
Frans  
([na (la nenimen)] gi) (mi [fa  
(traci <la frans>)])  
In October I will travel to France.
- I20 Mi fa traci da pa la Netomen  
mi (fa [traci (da <pa (la  
netomen)>)])  
I will travel to it before December.
- I21 Mi fa traci pa la Netomen da  
mi (fa [traci (<pa (la netomen)>  
da)])  
I will travel before December to it.

**J. Space Questions & Answers;  
Space Phrases (17)**  
(vi va vu vihu vahu vuhu)

- J01 La Djan, titci vi  
(la djan) (titci vi)  
John eats here.
- J02 Ei tu stolo vi  
ei (tu [stolo vi])  
Do you stay here?
- J03 No. I mi stolo va  
no . i (mi [stolo va])  
No; I stay there.
- J04 Ei tu stude vi  
ei (tu [stude vi])  
Are you a student here?
- J05 No. I mi stude vu  
no . i (mi [stude vu])  
No; I am a student far away.
- J06 Ei tu ji vi, stude  
ei ([tu (ji vi)] stude)  
Are you, as are here, a student?  
(I.e., the part of you that is  
here?)
- J07 Vihu tu sonli  
vihu (tu sonli)  
Where do you sleep?
- J08 Va tu  
va tu  
Near you.
- J09 Vi le hasfa  
vi (le hasfa)  
In the house.
- J10 Vahu  
vahu  
Near where?
- J11 Va la Rain  
va (la rain)  
Near the Rhine.
- J12 Vuhu  
vuhu  
Far from where?
- J13 Vu le mursi  
vu (le mursi)  
Far from the sea.
- J14 Vi la Ditroit, gi da pa malbi  
([vi (la ditroit)] gi) (da [pa  
malbi])  
In Detroit he was sick.
- J15 Da fa zbuma va le vrici  
da (fa [zbuma (va <le vrici>)])  
It will explode near the river.
- J16 Da na genbalci de vu le monca  
da (na [genbalci (de <vu (le  
monca)>)])  
He's now rebuilding it far from the  
mountain.

J17 Da na genbalci de ji vu le monca  
da (na [genbalci (de <ji (vu [le  
monca])>)])  
He's now rebuilding the one (that  
is) far from the mountain.

**K. Existentials & Universals;  
Completion (34)**

(ba be bo bu raba rabe rabo nibe  
ifeu inusoa vina uu)

- K01 Ba najda  
ba najda  
Something is a knife. (There are  
knives.)
- K02 Ei ba smano  
ei (ba smano)  
Is something smoke? (Is there  
smoke?)
- K03 Ia ba smano  
ia (ba smano)  
Yes, something is smoke. (Yes,  
there is smoke.)
- K04 Ei ba breba  
ei (ba breba)  
Is something bread? (Is there any  
bread?)
- K05 Ia. I ba breba vi  
ia . i (ba [breba vi])  
Yes; something is bread here.  
(There's bread here.)
- K06 Ei ba bukcu vi  
ei (ba [bukcu vi])  
Is something a book here? (Are  
there any books here?)
- K07 Uu no ba bukcu vi  
uu (no [ba (bukcu vi)])  
Sorry, nothing is a book here.  
(There are no books here.)
- K08 No ba cutri vina  
no (ba [cutri vina])  
Nothing is water here now. (There  
is no water here now.)

- K09 Vihu ba najda  
vihu (ba najda)  
Where is something a knife?  
(Where are there knives?)
- K10 Ba najda vi levi drara  
ba (najda [vi (levi drara)])  
Something is a knife in this drawer.  
(There are knives in this drawer.)
- K11 Nahu ba nilboi  
nahu (ba nilboi)  
When is something a child? (When  
were there/will there be  
children?)
- K12 Ba nilboi na la Nevevonin  
ba (nilboi [na (la nevevonin)])  
There are children in 1980. (There  
were/will be children in 1980.)
- K13 Ei raba cninu  
ei ([ra ba] cninu)  
Is everything new?
- K14 No. I ba no cninu  
no . i (ba [no cninu])  
No; something is not new. (No;  
some things are not new.)
- K15 Ei raba cluva rabe  
ei ([ra ba] [cluva (ra be)])  
Does everybody love everybody  
else?
- K16 No. I ba no cluva rabe  
no . i (ba [(no cluva) (ra be)])  
No; there are some who don't love  
everyone else.
- K17 Ifeu ba no cluva be  
ifeu (ba [(no cluva) be])  
In fact, there are some who don't  
love anyone else.
- K18 Ei raba kunci be  
ei ([ra ba] [kunci be])  
Is everyone related to someone  
else?
- K19 No. I ba kunci nibe  
no . i (ba [kunci (ni be)])

- No; some are related to no one else  
(to zero somethings).
- K20 Raba gudbi be bo  
(ra ba) (gudbi [be bo])  
Everyone is better than someone  
at/for something.
- K21 Ba paslinkui rabe bo  
ba (paslinkui [(ra be) bo])  
Someone is an ancestor of everyone  
through someone.
- K22 Ba vegri be rabo  
ba (vegri [be (ra bo)])  
Something is greener than something  
else to everyone.
- K23 La Djan, godzi la Frans  
(la djan) (godzi [la frans])  
John goes to France.
- K24 Inusoa de godzi da ba  
inusoa (de [godzi (da ba)])  
Therefore he goes there from  
somewhere.
- K25 Ti groda  
ti groda  
This is big.
- K26 Inusoa da groda ba be  
inusoa (da [groda (ba be)])  
Therefore it's bigger than something  
by some amount.
- K27 Ti bitsa  
ti bitsa  
This is in between.
- K28 Inusoa da bitsa ba be  
inusoa (da [bitsa (ba be)])  
Therefore it's between something  
and something else.
- K29 Ti vedma  
ti vedma  
This (person) is a seller.
- K30 Inusoa da vedma ba be bo  
inusoa (da [vedma (<ba be> bo)])  
Therefore he sells something to  
someone at some price.
- K31 Ti racketpi  
ti racketpi  
This is a travel-ticket.
- K32 Inusoa da ketpi ba be bo bu  
inusoa (da [ketpi (<(ba be) bo>  
bu)])  
Therefore it is a ticket to  
somewhere from somewhere on  
some  
carrier for some price.
- K33 Mi no vizka  
mi (no vizka)  
I do not (i.e., cannot) see.
- K34 Inusoa mi no vizka raba rabe  
inusoa (mi [(no vizka) (<ra ba> <ra  
be>)])  
Therefore I do not see anything  
against any background.

L. Predicate Strings; Grouping,  
Hyphenation, Connection & Inversion (22)  
(ge go ci ce ke ki)

- L01 La Frans, grada gunti  
(la frans) (grada gunti)  
France is a great country.
- L02 Da he grada gunti  
da ([he grada] gunti)  
It's how great a country? (I.e.,  
what kind or degree of greatness  
isinvolved?)
- L03 Da bilca grada gunti  
da ([bilca grada] gunti)  
It's a militarily great country.
- L04 La Spat, simba janto kangu  
(la spat) ([simba janto] kangu)  
Spot is a lion-hunting dog.
- L05 Da he simba janto kangu  
da ([he simba] janto] kangu)  
He's a what-kind-of-lion hunting  
dog? (Used for what kind of  
lions?)

- L06 Da frika simba janto kangu  
da ((frika simba) janto] kangu)  
He's an African-lion-hunting dog.
- L07 Da emalo ge janto kangu  
da (emalo [ge (janto kangu)])  
He's small for a hunting dog.
- L08 Da emalo janto ci kangu  
da (emalo [janto ci kangu])  
He's a small hunting-dog.
- L09 La Mbelis, dorja cefli  
(la mbelis) (dorja cefli)  
Mbeli is a war chief.
- L10 Da he dorja cefli  
da ([he dorja] cefli)  
He's what-kind-of-war chief? (A  
chief for what kind of wars?)
- L11 Da he ge dorja cefli  
da (he [ge (dorja cefli)])  
He's what kind of a war-chief?  
(What's he like as a war-chief?)
- L12 Da ckano ge dorja cefli  
da (ckano [ge (dorja cefli)])  
He's kind for a war-chief.
- L13 Da junti ge terla famva bilra  
da (junti [ge (<terla famva>  
bilra)])  
He's young for a world-famous  
billiard-player.
- L14 Da kusti ge slano torkrilu ci dampa  
da (kusti [ge (slano <torkrilu ci  
dampa>)])  
It's expensive for a slow bicycle-  
pump. (I.e., a slow-acting pump.)
- L15 Da junti famva ce terla ci sadji  
da (junti [famva ce (terla ci  
sadj)])  
He's young to be famous and  
worldly-wise.
- L16 Da junti ke famva ki terla ci sadji  
da (junti [ke famva ki (terla ci  
sadj)])  
He's young to be both famous and  
worldly-wise.
- L17 Da junti ce terla ci famva sadji  
da ([junti ce (terla ci famva)]  
sadj)  
He's a young (and) world-famous  
sage.
- L18 Da kubra kanpi ci tcaro rodlu  
da ([kubra (kanpi ci tcaro)] rodlu)  
It's a wide race-car road. (I.e., a  
road for wide race-cars.)
- L19 La Djan, prano go kukra la Djek  
(la djan) ([prano go kukra] [la  
djek])  
John runs faster than Jack.
- L20 Da botsu go vedji groda  
da (botsu go [vedji groda])  
It's a boat that is very large.
- L21 Da slano takna go staryfoa  
da ([slano takna] go staryfoa)  
He's a slow talker who is full of  
surprises.
- L22 Da ge slano takna go staryfoa  
da ([ge (slano takna)] go staryfoa)  
He's, for a slow talker, full of  
surprises.
- M. More Connections & Groupings in  
Predicate Strings (26)  
(gue cui canoi ka kanoi)**
- M01 Da bilti emalo ce nirli  
da (bilti [emalo ce nirli])  
She's (a) beautifully small (thing)  
and a beautiful girl.
- M02 Da bilti ke emalo ki nirli  
da (bilti [ke emalo ki nirli])  
She's beautifully both small and a  
girl.
- M03 Da bilti ge emalo nirli gue ckela  
da ([bilti (ge <emalo nirli> gue)]  
ckela)  
It's a beautiful small-girls' school.

- M04 Da bilti emalo ge nirli ckela  
da ([bilti emalo] [ge (nirli ckela)])  
It's beautifully small for a girls'  
school.
- M05 Da bilti emalo nirli ci ckela  
da ([bilti emalo] [nirli ci ckela])  
It's a beautifully small girls-school.
- M06 Da bilti ge emalo ge nirli ckela  
da (bilti [ge (emalo <ge (nirli  
ckela)>)])  
It's beautiful for a small type of  
girls' school, i.e., for a girls'  
school which is small.
- M07 Da bilti emalo ci nirli ci ckela  
da (bilti [emalo ci (nirli ci ckela)])  
It's a beautiful small-girls-school.
- M08 Da bilti ce emalo nirli ckela  
da ([bilti ce emalo) nirli] ckela)  
Its a beautiful-and-small girls'  
school, i.e., for girls who are both  
beautiful and small.
- M09 Da bilti emalo ca nirli ckela  
da ([bilti (emalo ca nirli)] ckela)  
It's a beautifully small and/or a  
(beautiful) girls', school.
- M10 Da bilti ka emalo ki nirli ckela  
da ([bilti (ka emalo ki nirli)] ckela)  
It's a beautifully either small and/or  
a girls', school.
- M11 Da bilti emalo nirli ce ckela  
da ([bilti emalo] [nirli ce ckela])  
It's a beautifully small girl-and-  
school, i.e, it's both a beautifully  
small girl and a beautifully small  
school (!).
- M12 Da bilti ge emalo ce nirli ckela  
da (bilti [ge (<emalo ce nirli >  
ckela)])  
It's beautiful for a small, and for a  
girls', school, i.e., for a school  
which is small and for girls.
- M13 Da bilti ge emalo nirli ce ckela  
da (bilti [ge (emalo <nirli ce  
ckela>)])  
It's beautiful for a small girl and  
for a small school.
- M14 Da cui bilti emalo ce nirli ckela  
da ([cui (bilti emalo) ce nirli]  
ckela)  
It's a beautifully small, and a girls',  
school.
- M15 Da bilti ci emalo ce nirli ckela  
da ([bilti ci emalo) ce nirli] ckela)  
It's a beautifully-small and a girls'  
school.
- M16 Da bilti canoi emalo ci nirli ckela  
da ([bilti canoi (emalo ci nirli)]  
ckela)  
It's a beautiful if for small-girls  
school.
- M17 Da bilti ce emalo ge nirli ckela  
da ([bilti ce emalo] [ge (nirli  
ckela)])  
It's beautiful and small for a girls'  
school.
- M18 Da bilti ce emalo nirli ci ckela  
da ([bilti ce emalo] [nirli ci  
ckela])  
It's a beautiful, and a small, girls-  
school.
- M19 Da bilti cui emalo nirli ce ckela  
da (bilti [cui (emalo nirli) ce  
ckela])  
It's a beautiful small-girl and (a  
beautiful) school.
- M20 Da bilti emalo ci nirli ce ckela  
da (bilti [(emalo ci nirli) ce ckela])  
It's a beautiful small-girl and  
school.
- M21 Da bilti emalo ce ge nirli ckela  
da (bilti [emalo ce (ge <nirli  
ckela>)])  
It's (a) beautifully small (thing) and  
(beautiful for a) girls' school.
- M22 Da bilti ce emalo ca nirli ckela  
da ([bilti ce emalo) ca nirli]

- ckela)  
It's a beautiful and a small, or it's a girls', school.
- M23 Da bilti ce kanoi cmalo ki nirli ckela  
da ([bilti ce (kanoi cmalo ki nirli)] ckela)  
It's a beautiful, and, if a small then a girls', school.
- M24 Da bilti ce cmalo nirli ce ckela da ([bilti ce cmalo] [nirli ce ckela])  
It's a beautiful-and-small girl-and-school.
- M25 Da bilti cmalo ce nirli ca nirli da (bilti [(cmalo ce nirli) ca nirli])  
It's a beautifully small thing and a beautiful girl, or it's a beautiful school.
- M26 Da bilti cmalo ce ka nirli ki ckela da (bilti [cmalo ce (ka nirli ki ckela)])  
It's a beautifully small thing, and either a (beautiful) girl or a (beautiful) school.
- N. Event/State Predicates; Other Abstractions (16)**  
(po pu zo di)
- N01 Da zbuma  
da zbuma  
It explodes (is an explosive).
- N02 Da po zbuma  
da (po zbuma)  
It's an explosion (an event of exploding).
- N03 Da pa clado po zbuma  
da (pa [clado (po zbuma)])  
It was a loud explosion.
- N04 Da po mrenu  
da (po mrenu)  
It's a manhood (a state of being a man).
- N05 Da pa corta po mrenu  
da (pa [corta (po mrenu)])  
It was a short manhood.
- N06 Da pa corta po mrenu bukcu  
da (pa [(corta <po mrenu>) bukcu])  
It was a short-manhood book. (A book about short manhoods?)
- N07 Da pa corta ge po mrenu bukcu  
da (pa [corta (ge <(po mrenu) bukcu>)])  
It was short for a manhood book.
- N08 Da po ge corta mrenu  
da (po [ge (corta mrenu)])  
It's an event, state, or case of being a short man.
- N09 Da po, corta mrenu  
da (po [corta mrenu])  
It's a case of being a short man.
- N10 Da pa mutce po ge corta mrenu  
da (pa [mutce (po <ge (corta mrenu)>)])  
It was an extreme case of being a short man.
- N11 Da po mi corta la Djan  
da (po [mi (corta <la djan>)])  
It's a case of my being shorter than John.
- N12 Da po la Pit, mutce corta la Djan  
da (po [(la pit) (<mutce corta> <la djan>)])  
It's a case of Pete's being much shorter than John.
- N13 Da pu de fotli di  
da (pu [de (fotli di)])  
X is a (the) property of Y being stronger than W.
- N14 Da pu de fotli  
da (pu [de fotli])  
X is an instance of Y's strength.
- N15 Da zo de blanu di  
da (zo [de (blanu di)])  
X is an (the) amount by which Y is

- bluer than W.
- N16 Da zo de blanu  
da (zo [de blanu])  
X is an (the) amount of blue in Y.
- O. Mass & Event Descriptions; Mass  
Event Descriptions (27)  
(lo lovi lepo lopo)**
- O01 Ei da fundi lo malna  
ei (da [fundi (lo malna)])  
Is he fond of milk? (Does he like  
milk?)
- O02 Ei tu pa titci lo nikri  
ei (tu [pa (titci <lo nikri>)])  
Did you eat cheese?
- O03 Ei tu fa janto lo simba  
ei (tu [fa (janto <lo simba>)])  
Will you (be) hunt(ing) lions?  
(Are you going to hunt lions?)
- O04 Ia mi fa janto da  
ia (mi [fa (janto da)])  
Yes, I'll (be) hunt(ing) them. (Yes,  
I'm going to hunt them.)
- O05 Ei lo nirda vi sucmi  
ei ([lo nirda] [vi sucmi])  
Do birds here-swim? (I.e., swim  
here, in this place?)
- O06 Ei lo nirda vi, sucmi  
ei ([lo nirda] [vi] sucmi)  
Do birds here swim? (More global;  
does the event of birds swimming  
take place here?)
- O07 Ei lo nirda ji vi, sucmi  
ei ([lo nirda] [ji vi] sucmi)  
Do (the) birds here swim? (I.e.,  
the local birds?)
- O08 Ei lovi nirda ga sucmi  
ei ([lovi nirda] [ga sucmi])  
Do local birds (here-birds) swim?
- O09 No. I da fleti  
no . i (da fleti)
- No; they fly.
- O10 Leva sonda ga he  
(leva sonda) (ga he)  
That sound was what?
- O11 Lopo zbuma  
lopo zbuma  
Explosion(s).
- O12 Ei tu pa hirti lepo zbuma  
ei (tu [pa (hirti <lepo zbuma>)])  
Did you hear the explosion?
- O13 Ia mi pa hirti da. I lopo zbuma ga  
clado  
ia (mi [pa (hirti da)]) . i ([lopo  
zbuma] [ga clado])  
Yes, I heard it. Explosions are  
loud.
- O14 Ei tu pa hirti le clado po zbuma  
ei (tu [pa (hirti <le (clado [po  
zbuma])>)])  
Did you hear the loud explosion?
- O15 Ei tu hirti lo clado po zbuma  
ei (tu [hirti (lo <clado (po  
zbuma)>)])  
Do you hear loud explosions?
- O16 Ei tu fundi lopo sucmi  
ei (tu [fundi (lopo sucmi)])  
Do you like swimming?
- O17 Ei lepo prano pa nardu  
ei ([lepo prano] [pa nardu])  
Was the run difficult?
- O18 Ei lopo nilboi ga treci  
ei ([lopo nilboi] [ga treci])  
Is childhood interesting?
- O19 Ei lopo mormao lo simba ga nardu  
ei ([lopo (mormao <lo simba>)] [ga  
nardu])  
Is killing lions difficult?
- O20 Lo fieli ga spalii lo mursi  
(lo fieli) (ga [spalii (lo mursi)])  
Fish live in the sea.

- O21 Lo tongu ga trime lopo takna  
(lo tongu) (ga [trime (lopo takna)])  
The tongue is the tool of speech.
- O22 Lo tcina ga hasfa lo tongu  
(lo tcina) (ga [hasfa (lo tongu)])  
The chin is the house of the tongue.
- O23 Lopo takna ga proju lo sonda  
(lopo takna) (ga [proju (lo sonda)])  
Speech produces sound.
- O24 Lopo dirflu ga ckozu lopo kecri  
(lopo dirflu) (ga [ckozu (lopo kecri)])  
Loss is a cause of sadness.
- O25 Lepo kanpi sucmi pa valna  
(lepo [kanpi sucmi]) (pa valna)  
The swimming-meet (event of competitive swimming) was violent.
- O26 Le, po kanpi sucmi pa valna  
(le [(po kanpi) sucmi]) (pa valna)  
The competition swimmer was violent.
- O27 Lo, po kanpi sucmi ga valna  
(lo [(po kanpi) sucmi]) (ga valna)  
Competition swimmers are violent.
- P. Specified & Nested Event Descriptions (22)  
(No new LWs.)**
- P01 Ei tu djano lepo mi stude  
ei (tu [djano (lepo <mi stude>)])  
Do you know that I am a student?
- P02 Tu danza lepo jmite hu  
tu (danza [lepo (jmite hu)])  
You want to meet whom?
- P03 Le nirli pa takna mi lopo da traci  
(le nirli) (pa [takna (mi <lopo (da traci)>)])  
The girl talked to me about her travels.
- P04 Le farfu pa takna le detra lepo de  
nu fatru  
(le farfu) (pa [takna (<le detra> <lepo (de [nu fatru])>)])  
The father talked to the daughter about his being troubled.
- P05 Ei tu danza lepo mi tcihea tu  
ei (tu [danza (lepo <mi (tcihea tu)>)])  
Do you want me to feed you? (I.e., help you eat?)
- P06 Mi krido lepo la Paris, garsitci la Frans  
mi (krido [lepo (<la paris> <garsitci (la frans)>)])  
I believe that Paris is the capital of France.
- P07 Mi djacue lepo la Marz, redro levi carta  
mi (djacue [lepo (<la marz> <redro (levi carta)>)])  
I claim that Mars is redder than this shirt.
- P08 Le stude pa djadou le surva lepo da pluci de  
(le stude) (pa [djadou (<le surva> <lepo (da [pluci de])>)])  
The student informed the servant that he/she (the servant) pleased him/her (the student).
- P09 La Ruprt, djacue lepo la Denvr, bitsa le vrici lepo kamda  
(la ruprt) (djacue [lepo (<la denvr> <bitsa ([le vrici] [lepo kamda])>)])  
Rupert claims that Denver is between the river and the fighting.
- P10 La Dag, furmoi lepo trati lepo skesa la Meris  
(la dag) (furmoi [lepo (trati <lepo (skesa [la meris])>)])  
Doug intends to try to kiss Mary.
- P11 Ei la Degol, pa krido lepo kanmo lepo rilnamdou la Frans  
ei ([la degol] [pa (krido <lepo

- (kanmo [lepo (rilnamdou <la  
frans>)]>)]>)]  
Did de Gaulle believe that (he)  
could glorify France?
- P12 Lepo le mrenu pa trati ga fekto  
(lepo [(le mrenu) (pa trati)]) (ga  
fekto)  
That the man tried is a fact.
- P13 Lepo le botci pa fundi lopo sucmi  
ga gudcae  
(lepo [(le botci) (pa <fundi (lopo  
sucmi)>)] (ga gudcae)  
That the boy was fond of swimming  
is lucky.
- P14 Lepo lepo le matma pa kamla pa  
tradu pa fatru  
(lepo [(lepo <(le matma) (pa  
kamla)>)] (pa tradu)] (pa fatru)  
The fact that the mother came was  
true was troubling.
- P15 Mi pa viadja lepo lepo prano pa  
kukra  
mi (pa [viadja (lepo <(lepo prano)  
(pa kukra)>)]>)]>)]  
I observed (saw-knew) that the  
running was fast.
- P16 Mi jupni lepo lepo mi danza lepo  
helba la Meris, pa gudcae  
mi (jupni [lepo <(lepo (mi [danza  
(lepo <helba (la meris)>)]>)]> <pa  
gudcae>)]>)]>)]  
I think that my desire to help Mary  
was fortunate.
- P17 Mi penso lopo firpa lopo crina  
mi (penso [lopo (firpa <lopo  
crina>)]>)]>)]  
I think about fear of (the) rain.
- P18 Mi pa rulkao lepo santi gu, lepo  
helba la Bab  
mi (pa [rulkao <(lepo (santi gu)>  
<lepo (helba [la bab])>)]>)]>)]  
I was obliged to be silent in order  
to help Bob.
- P19 Lo nimla ga cnida lopo cluva gu,  
lopo clivi  
(lo nimla) (ga [cnida <(lopo (cluva  
gu)> <lopo clivi>)]>)]>)]  
Animals need to love in order to  
live.
- P20 Lo humni ga cnida lopo nu cluva gu,  
lopo hapei clivi  
(lo humni) (ga [cnida <(lopo ([nu  
cluva] gu)> <lopo (hapei  
clivi)>)]>)]>)]  
Humans need love (i.e., to be loved)  
in order to live happily.
- P21 Da pa djano lepo fa crina gu, pa  
lepo le neri drida fa felda  
da (pa [djano <(lepo (fa [crina  
gu])> <pa (lepo [(le <neri  
drida>) (fa felda)])>)]>)]>)]  
He knew it was going to rain before  
the first drops fell.
- P22 Da pa djano lepo fa nicfea pa lepo  
le neri clife fa felda  
da (pa [djano (lepo <fa (nicfea [pa  
(lepo <(le [neri clife]) (fa  
felda)>)]>)]>)]>)]>)]>)]  
He knew it was going to snow  
before the first leaves fell.
- Q. Attitude Indication; Conversion,  
Negation & Superlatives (33)**  
(uo ue ua uu ui nu fu)
- Q01 Uo, la Keit, pa dupma mi  
uo ([la keit] [pa (dupma mi)])  
Damn, Kate deceived me!  
Annoyance.)
- Q02 Ue tu nu dupma  
ue (tu [nu dupma])  
Well, so you're deceivable!  
Surprise.)
- Q03 Ua tu no nu dupma  
ua (tu [no (nu dupma)])  
Thank goodness you're not  
deceivable! (Satisfaction.)
- Q04 Da nu vegri de di  
da ([nu vegri] [de di])  
X is less green than Y to W.

- Q05 Da gutra nu begco de  
da ([gutra (nu begco)] de)  
It's a strange request by him. (A  
strange thing for him to request.)
- Q06 Uu tu nu fatru  
uu (tu [nu fatru])  
I'm sorry you're troubled.
- Q07 Eo no nu fatru mi  
eo ([no (nu fatru)] mi)  
Please don't be troubled by me!  
(Don't let me bother you!)
- Q08 Ui tu no nu fatru  
ui (tu [no (nu fatru)])  
I'm glad you're not troubled.
- Q09 Da nu gudbi de ba  
da ([nu gudbi] [de ba])  
X is bettered by (worse than) Y for  
some purpose x.
- Q10 Di no nu gudbi raba rabe  
di ([no (nu gudbi)] [(ra ba) (ra  
be)])  
W is not betterable by anything for  
any purpose, i.e., is best.
- Q11 No nu gudbi  
no (nu gudbi)  
Don't be betterable! (Be the best!)
- Q12 No ge kukra prano  
no (ge [kukra prano])  
Don't run fast!
- Q13 No, kukra prano  
no (kukra prano)  
Don't run fast!
- Q14 No kukra prano  
(no kukra) prano  
Not fast run! (Run but not fast!)
- Q15 Da fu ge briga stuci  
da (fu ge [briga stuci])  
X is a teller of brave stories.
- Q16 Da fu brigystuci  
da (fu brigystuci)  
X is a teller of bravestories.
- Q17 Ei da nu kamla de  
ei (da [(nu kamla) de])  
Is X where Y comes from? (Is X  
the departure-point of Y's  
coming?)
- Q18 Da fu lerci de  
da ([fu lerci] de)  
X sends letters to Y. (X  
corresponds with Y.)
- Q19 Ei da sanpa de di  
ei (da [sanpa (de di)])  
Does X mean Y to W? (Is X a  
sign of Y to W?)
- Q20 Ia de nu sanpa da di  
ia (de [(nu sanpa) (da di)])  
Yes, Y is the meaning of X to W.
- Q21 Ia di fu sanpa de da  
ia (di [(fu sanpa) (de da)])  
Yes, W assigns meaning Y to X.  
(Or: W sees significance Y in X.)
- Q22 No fu sanpa mi ta  
(no [fu sanpa]) (mi ta)  
Don't think I'm meant by that!  
(Don't interpret that sign as  
meaning me!)
- Q23 No nu takna  
no (nu takna)  
Don't be talked to! (Don't let  
yourself be talked to.)
- Q24 No fu takna  
no (fu takna)  
Don't be talked about. (Don't be  
someone people talk about.)
- Q25 Da fu gudbi  
da (fu gudbi)  
It's a purpose for which some things  
are better than others.
- Q26 Mi fu namei da  
mi ([fu namei] da)  
I can name him. (I know him by  
name.)
- Q27 Ta fu garti

- ta (fu garti)  
That's something to be grateful for.
- Q28 Nu garti mi ta  
(nu garti) (mi ta)  
Be the recipient of my gratitude for that!
- Q29 Uu no ba nu hompi vi  
uu (no [ba (<nu hompi> vi)])  
Alas, there's nothing potable here.
- Q30 Da nu vizka ba be  
da ([nu vizka] [ba be])  
X is visible to someone or something against some background.
- Q31 De no nu vizka raba rabe  
de ([no (nu vizka)] [(ra ba) (ra be)])  
Y is invisible to everything against every background.
- Q32 Da no nu kukra rutma de ti raba  
da ([no (<nu kukra>) rutma] [(de ti) (ra ba)])  
X is the fastest route to Y from here by any path.
- Q33 Da no nu plizo raba lopo roadru  
da ([no (nu plizo)] [(ra ba) (lopo roadru)])  
X is unusable by anyone for hammering. (X is useless for hammering.)
- R. Counting, Quantifying & Numerical Questions (21)**  
(to te fo fe so se vo ve iesu iene  
ho hoba toba teba foba soba)
- R01 Konduo le batpi  
konduo (le batpi)  
Count the bottles!
- R02 Ne. I to. I te. I fo. I foba batpi  
ne . i to . i te . i fo . i ([fo ba] batpi)  
One. Two. Three. Four. There are four bottles.
- R03 Ne. To. Te. Fo. Foba batpi  
ne . to . te . fo . (fo ba) batpi  
One. Two. Three. Four. There are four bottles.
- R04 Bleka le fo batpi  
bleka (le fo batpi)  
Look at the four bottles!
- R05 Totco to le fo batpi  
totco (to [le fo batpi])  
Touch two of the four bottles!  
(Any two.)
- R06 Kambei mi ne le to batpi  
kambei (mi [ne (le to batpi)])  
Bring me (either) one of the two bottles!
- R07 Su levi fe batpi ga veslo lo viski  
(su [levi fe batpi]) (ga [veslo (lo viski)])  
At least one of these five bottles contains whiskey.
- R08 Iesu de dui  
(iesu de) dui  
Which one (or more) of them do?
- R09 Levi to de dui  
(levi to de) dui  
These two of them do. (Should this really be ternary?)
- R10 Foba tugle levi tobme  
(fo ba) (tugle [levi tobme])  
There are four legs on this table.  
(This table has four legs.  
Literally, 'Four somethings x are legs of this table.'
- R11 Hoba tugle leva tobme  
(ho ba) (tugle [leva tobme])  
How many legs has that table?
- R12 Leva tobme ga nu tugle soba  
(leva tobme) (ga [(nu tugle) (so ba)])  
That table is belegged with six.  
(...is six-legged.)
- R13 Mi nu tugle hoba

mi ([nu tugle] [ho ba])  
 I am belegged by how many? (I  
 have how many legs?)

R14 Ne uu  
 ne uu  
 One, alas!

R15 Ho mu nu tugle toba  
 (ho mu) ([nu tugle] [to ba])  
 How many of us are belegged with  
 two? (...are two-legged?)

R16 Ho le se tobme ga nu tugle soba  
 (ho [le se tobme]) (ga [(nu tugle)  
 (so ba)])  
 How many of the seven tables are  
 six-legged?

R17 Iene da  
 iene da  
 Which one of them?

R18 Ho le bekti ji vi levi kruma, ga nu  
 tugle teba  
 (ho (le bekti) (ji <vi (levi  
 kruma)>)) (ga [(nu tugle) (te  
 ba)])  
 How many of the objects in this  
 room are three-legged?

R19 Ho le bekti ji vi, nu tugle  
 (ho [(le bekti) (ji vi)]) (nu tugle)  
 How many of the objects  
 here are legged (have legs)?

R20 Ho le bekti vi nu tugle  
 (ho [le bekti]) (vi [nu tugle])  
 How many of the objects are here  
 legged (have legs here)?

R21 Ho le bekti vi levi kruma ga nu  
 tugle foba  
 ([ho (le bekti)] [vi (levi kruma)])  
 (ga [(nu tugle) (fo ba)])  
 How many of the objects (while) in  
 this room are four-legged?

(iete iefo ieho)

S01 Ne mrenu pa kamla  
 (ne mrenu) (pa kamla)  
 One man came.

S02 Su mrenu pa kamla  
 (su mrenu) (pa kamla)  
 At least one man came. (Some men  
 came.)

S03 Ru mrenu pa kamla  
 (ru mrenu) (pa kamla)  
 Enough men came.

S04 Le fo mrenu pa kamla  
 (le fo mrenu) (pa kamla)  
 The four men came.

S05 Te le fo mrenu pa kamla  
 (te [le fo mrenu]) (pa kamla)  
 Three of the four men came.

S06 Ru le fo mrenu pa kamla  
 (ru [le fo mrenu]) (pa kamla)  
 Enough of the four men came.

S07 To le te le fo mrenu pa kamla  
 (to [le te (le fo mrenu)]) (pa  
 kamla)  
 Two of the three of the four men  
 came.

S08 Le to le te le fo mrenu pa kamla  
 (le to [le te (le fo mrenu)]) (pa  
 kamla)  
 The two of the three of the four  
 men came.

S09 Ho le te mrenu  
 ho (le te mrenu)  
 How many of the three men?

S10 Le ho mrenu  
 le ho mrenu  
 The how many men? (How many  
 men were there?)

S11 Te le ho mrenu  
 te (le ho mrenu)  
 Three of the how many men?

S. Quantified Descriptions &  
 Questions (18)

- S12 Iete le mrenu  
iete (le mrenu)  
Which three of the men?
- S13 Te le iefo mrenu  
te (le iefo mrenu)  
Three of the which four men?
- S14 Ie le ho mrenu  
ie (le ho mrenu)  
Which (set of) the how many men?  
(Two questions.)
- S15 Iesu le ho mrenu  
iesu (le ho mrenu)  
Which (one or more) of the how  
many men?
- S16 Ieho le ho mrenu  
ieho (le ho mrenu)  
Which how many of the how many  
men? (Three questions.)
- S17 Se sorme pa mercea le se brudi  
(se sorme) (pa [mercea (le se  
brudi)])  
(Each of some) Seven sisters  
married (each of) the seven  
brothers. (This doesn't say what  
the literal translations seems to  
say in English.)
- S18 Se sorme pa mercea ne le se brudi  
(se sorme) (pa [mercea (ne <le se  
brudi>)])  
(Each of some) Seven sisters  
married (some) one of the seven  
brothers.  
(Better, but not quite.)
- T. Measurement, Dimensioned Numbers &  
Numerical Description (10)**  
(lio lepa -ma -mei -dai)
- T01 Ti dalri lio te  
ti (dalri [lio te])  
This measures in dollars the number  
3. (This is worth 3 dollars.)
- T02 Ti dalri  
ti dalri
- This is a dollar. (I.e., a dollars-  
worth of something, e.g., money).
- T03 Ta gramo lio tema  
ta (gramo [lio tema])  
That measures in grams the number  
300. (That weighs 300 grams.)
- T04 Ti langa ta lio tomeimei  
ti (langa [ta (lio tomeimei)])  
This is longer than that by 2mm (by  
the number 2 millimeters).
- T05 Ti skakubra lio mei  
ti (skakubra [lio mei])  
This measures in width the number  
m. (By default, m = 1m. So,  
this is one meter wide.)
- T06 La Djan, pa donsu le botci le to  
dalri  
(la djan) (pa [donsu (<le botci> <le  
to dalri>)])  
John gave the boy the two dollars  
(the two things worth a dollar,  
e.g., one-dollar bills or silver  
dollars).
- T07 La Djan, pa penti lio totodai le  
mrenu le torkrilu  
(la djan) (pa [penti (<(lio totodai)  
(le mrenu)> <le torkrilu>)])  
John paid 22 dollars (worth of  
money) to the man for the  
bicycle.
- T08 Lepa ckemo pa sekmi lio to  
(lepa ckemo) (pa [sekmi (lio to)])  
That (former) time-interval meas-  
ured in seconds the number 2.  
(That was two seconds.)
- T09 Lepo da clivi pa nirne lio voto  
(lepo [da clivi]) (pa [nirne (lio  
voto)])  
His life measured in years the  
number 82. (He lived 82 years.)
- T10 Ta pa miksekmi lio to  
ta (pa [miksekmi (lio to)])  
That measured in microseconds the  
number 2. (That was 2 micro-

seconds.)

**U. Linked Description; Identity Clauses; Replacement with Letter-Words; Mixed Predicates and Arguments (24)**

(je jue ze sui -mo -ai -ei  
(dai/dei, etc.))

- U01 Mi pa takna da ta  
mi (pa [takna (da ta)])  
I talked to X about that.
- U02 Hu bi da  
hu (bi da)  
Who is X?
- U03 Da bi le fremi je le botci  
da (bi [le (fremi <je (le botci)>]))  
X is the friend of the boy.
- U04 Ie le botci  
ie (le botci)  
What (the) boy?
- U05 Le botci ji le brudi je le merfua je  
le furvea  
(le botci) (ji [le (brudi <je (le  
[merfua (je <le furvea>)]>)])  
The boy who is the brother of the  
wife of the buyer.
- U06 Le furvea je hu  
le (furvea [je hu])  
The buyer of what?
- U07 Le furvea je le hasfa jue la Djonz,  
jue lio nemomodai  
le (furvea [(je <le hasfa>) (<jue (la  
djonz)> <jue (lio nemomodai)>)])  
The buyer of the house from Jones  
for (the) one-million dollars.
- U08 Ie la Djonz  
ie (la djonz)  
Which Jones?
- U09 La Djonz, ji le farfu je la Meris,  
ze la Selis  
(la djonz) (ji [le (farfu <je ([la  
meris] ze [la selis])>)])  
The Jones who is the father of Mary

and Sally jointly. (I.e., of the  
sib composed of Mary and Sally.)

- U10 La Djonz, ji le farfu je la Meris, e  
je la Selis  
(la djonz) (ji [le (farfu <(je [la  
meris]) e (je [la selis])>)])  
The Jones who is the father of Mary  
and of Sally (independently).
- U11 Dai bi le farfu sui je le matma je  
la Bab, jue le ditca  
dai (bi [le (<farfu sui> <je (le  
[matma (<je (la bab)> <jue (le  
ditca)>)]>)])  
D is also the father of the mother  
of Bob by the (male) teacher.  
(I.e., grandson Bob's father was a  
teacher.)
- U12 Dai bi le farfu sui je le matma je  
la Bab gu, jue le ditca  
dai (bi [le (<farfu sui> (<(je [le  
(matma (<je [la bab] gu)>)] (jue  
[le ditca])>)]>)])  
D is also the father of the mother  
of Bob, through the (woman)  
teacher. (I.e., Bob's maternal  
grandmother was a teacher too.)
- U13 Dai bi le farfu je Mai, jue le sorme  
je la Pidr  
dai (bi [le (farfu (<(je mai) (jue [le  
(sorme <je (la pidr)>)]>)]>)])  
D is the father of M through the  
sister of Peter.
- U14 Le sorme je Pai jue hu  
le (sorme [(je pai) (jue hu)])  
The sister of P through whom?
- U15 Jue la Rabrt, ze la Celis  
jue ([la rabrt] ze [la celis])  
Through (parents) Robert and Shelly  
jointly.
- U16 Inusoa Dai bi le farfu je Mai jue le  
sorme je Pai jue Rai ze Cai  
inusoa (dai [bi (le <farfu ([je mai]  
[jue (le <sorme ([je pai] [jue  
(rai ze cai)])>)]>)]>)])  
So D is the father of M by the



Mary, such that Pete teaches French to her.

- V06 Raba jio katma ga titci be jio ratcu  
(ra [ba (jio katma)]) (ga [titci (be <jio ratcu>)])  
Everything which is a cat eats something else which is a rat.
- V07 Raba jio redro nu herfa, e pa brana na la Nenemen Nevovoton, pa cenja be jio narmykoi  
(ra [ba (jio (<redro [nu herfa]) e (pa [brana (na <la (nenemen nevovoton)>)]>))] (pa [cenja (be <jio narmykoi>)]))  
Everyone who is red-haired and was born in November 1882 became a general.

**W. Sentence, Predicate & Argument Negation (18)**  
(ni)

- W01 La Djan, pa no gudbi prano  
(la djan) (pa [(no gudbi) prano])  
John was a non-good runner (i.e., a runner but not a good one).
- W02 La Djan, no pa gudbi prano  
(la djan) (no [pa (gudbi prano)])  
John was not a good runner.
- W03 La Djan, no pa godzi la Paris  
(la djan) (no [pa (godzi <la paris>)])  
John did not go to Paris.
- W04 La Djan, no pa titci le pligo  
(la djan) (no [pa (titci <le pligo>)])  
John did not eat the apple.
- W05 La Djan, pa titci ni le pligo  
(la djan) (pa [titci (ni <le pligo>)])  
John ate none of the apple(s).  
(I.e., zero (of the) apples.)
- W06 La Djan, pa godzi ni la Paris  
(la djan) (pa [godzi (ni <la paris>)])  
John went to no Paris. (I.e., to zero of Paris.)
- W07 Ni la Djan, pa godzi la Paris  
(ni [la djan]) (pa [godzi (la paris)])  
No (zero) John went to Paris.
- W08 No la Djan, pa godzi la Paris  
no ([la djan] [pa (godzi <la paris>)])  
It is not the case that John went to Paris.
- W09 La Djan, no pa kukra godzi la Paris  
(la djan) (no [pa (<kukra godzi> <la paris>)])  
John didn't go quickly to Paris.
- W10 La Djan, pa no kukra godzi la Paris  
(la djan) (pa [(<no kukra> godzi) (la paris)])  
John went non-quickly to Paris.  
(I.e., he went, but slowly.)
- W11 La Djan, pa kukra no godzi la Paris  
(la djan) (pa [(kukra <no godzi>) (la paris)])  
John quickly didn't go to Paris. (But he did something else quickly!)
- W12 La Djan, pa kukra godzi la Paris, ni la Romas  
(la djan) (pa [(kukra godzi) (<la paris> <ni (la romas)>)])  
John went quickly to Paris from no Rome. (But from somewhere else?)
- W13 Ni la Djan, pa kukra godzi la Paris, la Romas  
(ni [la djan]) (pa [(kukra godzi) (<la paris> <la romas>)])  
No John went quickly to Paris from Rome. (But did someone else?)
- W14 No la Djan, pa kukra godzi la Paris, la Romas  
no ([la djan] [pa (<kukra godzi> <la paris>) (la romas)>)])  
It is not the case that John went

- quickly to Paris from Rome.
- W15 La Djan, no pa kukra godzi la Paris, la Romas  
(la djan) (no [pa (<kukra godzi> <(la paris) (la romas)>)])  
John didn't go quickly to Paris from Rome.
- W16 La Djan, no ga kukra godzi la Paris, la Romas  
(la djan) (no [ga (<kukra godzi> <(la paris) (la romas)>)])  
John doesn't go quickly to Paris from Rome.
- W17 La Djan, no ga kukra godzi la Paris, la Romas  
(la djan) (no [ga (<kukra godzi> <(la paris) (la romas)>)])  
John doesn't go quickly to Paris from Rome.
- W18 La Djan, no kukra godzi la Paris, la Romas  
(la djan) ([no kukra] godzi) [(la paris) (la romas)])  
John non-quickly goes to Paris from Rome.
- X. Quotation of Loglan; Fronted Arguments (9)**  
(li lu liu gi)
- X01 La Djan, pa cutse li, Ai, lu la Tam  
(la djan) (pa [cutse (<li ai lu> <la tam>)])  
John said 'Yes I will!' to Tom.
- X02 La Tam, gi la Djan, pa cutse liu Ai  
([[la tam] gi) ([[la djan] [pa (cutse <liu ai>)])  
To Tom, John said 'Yes I will!'
- X03 Liu Ai, la Tam, gi la Djan, pa cutse  
(((liu ai) (la tam)] gi) ([[la djan] [pa cutse])  
'Yes I will!' to Tom, John said.
- X04 La Tam, gi la Djan, pa cutse  
([[la tam] gi) ([[la djan] [pa cutse])  
To Tom, John said (something).
- X05 La Frans, gi la Djan, pa takna  
([[la frans] gi) ([[la djan] [pa takna]])  
About France, John talked (to someone).
- X06 La Frans, gi la Djan, pa takna da  
([[la frans] gi) ([[la djan] [pa (takna da)])  
About France, John talked to himself.
- X07 La Tam, la Frans, gi la Djan, pa takna  
(((la tam) (la frans)] gi) ([[la djan] [pa takna]])  
To Tom about France, John talked.
- X08 Ti gi lo redro litla ga sanpa lo denro raba  
(ti gi) ([lo (redro litla)] [ga (sanpa <(lo denro) (ra ba)>)])  
Under these circumstances, red lights are a sign of danger to everyone (Here the 4th argument of a 5-place structure has been dropped, namely the behavior disposed by the sign.)
- X09 Lopo stise gu, ti gi lo redro litla ga sanpa  
(((lopo <stise gu>) ti] gi) ([lo (redro litla)] [ga sanpa])  
Stopping under these circumstances, red lights mean.
- Y. Predicates from Arguments and Prenex Quantifiers (11)**  
(me me- goi)
- Y01 Liu tcemu mela Djenis, rutma purda, e sackaa liu mutce  
(liu tcemu) (((<me (la djenis)> rutma] purda] e [sackaa (liu mutce)])  
'Tcemu' is a "Jenny-route" word and derived from 'mutce'.

Y02 Liu tcemu jia sackaa liu mutce  
mela Djenis, rutma purda  
([liu tcemu] [jia (sackaa <liu  
mutce>)]) ([me <la djenis>]  
rutma] purda)  
The word 'tcemu' which derives from  
'mutce' is a "Jenny-route" word.

Y03 Ba pa meliu me forma holdu le  
lengu  
ba (pa [( <me [liu me] ) forma >  
holdu) (le lengu)])  
There was a 'me'-form hole in the  
language.

Y04 Raba ra bua goi, ko ba melo bua,  
ki ba bua  
([(ra ba) (ra bua)] goi) (ko [ba  
(me <lo bua>)] ki [ba bua])  
For every something x and every  
predicate P, if and only if x is a  
manifestation of P-hood, then x is  
P.

Y05 Raba ra bua goi, ko ba melea bua,  
ki ba bua  
([(ra ba) (ra bua)] goi) (ko [ba  
(me <lea bua>)] ki [ba bua])  
For every something x and every  
predicate P, if and only if x is a  
manifestation of the class of all  
that are P, then x is P.

Y06 Raba ra bua goi, ko ba bie lea bua,  
ki ba bua  
([(ra ba) (ra bua)] goi) (ko [ba  
(bie <lea bua>)] ki [ba bua])  
For every something x and every  
predicate P, if and only if x is a  
member of the class of all that  
are P, then x is P.

Y07 Li, Da melo preda, lu durduo snola  
li, Da preda, lu  
(li da me lo preda lu) ([durduo  
snola] [li da preda lu])  
'Da melo preda' reciprocally entails  
'Da preda'.

Y08 Ta meda po muvdo  
ta ([me da] [po muvdo])  
That's an X-type move. (Said of a

chess-player, dancer, etc.)

Y09 Ta memi tcaro  
ta ([me mi] tcaro)  
That's a "me"-car. (Expresses me,  
belongs to me, etc.)

Y10 Le kangu pa meli, Mi danza lepo  
hasfa godzi, lu bleka mi  
(le kangu) (pa [( <me (li mi danza  
lepo hasfa godzi lu) > bleka) mi])  
The dog "I want to go home"-  
looked at me. (I.e., gave me  
that "I want to go home" look.)

Y11 Le kangu pa bleka je mi go meli,  
mi danza lepo hasfa godzi, lu  
(le kangu) (pa [(bleka <je mi>) go  
(me <li mi danza lepo hasfa godzi  
lu>)])  
The dog looked at me in an "I want  
to go home" sort of way.

### Z. Prenex Quantifiers (7) (goi)

Z01 Raba be goi, be matmaa ba  
([(ra ba) be] goi) (be [matmaa  
ba])  
For every something x there is a y  
such that y is the maternal  
grandmother of x.

Z02 Be raba goi, be matmaa ba  
([be (ra ba)] goi) (be [matmaa  
ba])  
There is something y such that for  
every x, y is x's grandmother.

Z03 Ba lea humni goi, ba paslinkui da  
([ba (lea humni)] goi) (ba  
[paslinkui da])  
There is something x such that for  
every human, x is his or her  
ancestor.

Z04 Raba goi, cluva ba  
([ra ba] goi) (cluva ba)  
For every something x, love x!

Z05 Lea humni goi, cluva da

- ([lea humni] goi) (cluva da)  
 For every human, love him or her!
- Z06** Lea humni go clivi goi, cluva da  
 ([lea (humni go clivi)] goi) (cluva da)  
 For every human who is alive, love him or her!
- Z07** Lea clivi humni goi, da gi cluva  
 ([lea <clivi humni>) goi] da gi) cluva  
 For every living human, him or her love.
- AA. Connected Arguments & Predicates;  
 Joint Argument Sets (32)  
 (a anoi onoi noa efa epa gugu do)**
- AA01** La Djan, e la Meris, fundi la Bab  
 ([la djan] e [la meris]) (fundi [la bab])  
 John and Mary like Bob.
- AA02** La Djan, efa la Meris, fundi la Bab  
 ([la djan] efa [la meris]) (fundi [la bab])  
 John, and later Mary, liked Bob.
- AA03** Ke la Djan, ki la Meris, fundi la Bab  
 (ke [la djan] ki [la meris]) (fundi [la bab])  
 Both John and Mary like Bob.
- AA04** Di, e de ke fundi da ki tsodi la pit  
 (di e de) (ke [fundi da] ki [tsodi (la pit)])  
 He and she both like him and hate Pete.
- AA05** Di, e de fundi da, epa tsodi la Pit  
 (di e de) ([fundi da] epa [tsodi (la pit)])  
 He and she like him, and before that, hated Pete.
- AA06** Di, e de fundi da, e tsodi gu, la Pit  
 (di e de) ([fundi da] e (tsodi gu)] [la pit])
- He and she like him better than, and hate, Pete.
- AA07** Di, e de fundi, e tsodi gu, la Pit  
 (di e de) ([fundi e (tsodi gu)] [la pit])  
 He and she (both) like and hate Pete.
- AA08** Di, e de ke fundi ki tsodi gu, la Pit  
 (di e de) ([ke fundi ki (tsodi gu)] [la pit])  
 He and she both like and hate Pete.
- AA09** La Pol, farfu la Bab, efa la Pit  
 (la pol) (farfu [(la bab) efa (la pit)])  
 Paul is the father of Bob and later Pete.
- AA10** La Pol, farfu la Bab, la Selis, onoi la Bet  
 (la pol) (farfu [(la bab) (<la selis> onoi <la bet>)])  
 Paul is the father of Bob by Sally or by Beth. (But not by both.)
- AA11** La Pol, farfu la Bab, la Selis, gu, onoi la Bet  
 (la pol) (farfu [(<<la bab) (la selis)> gu) onoi (la bet)])  
 Paul is the father of Bob by Sally, or of Beth (but not of both).
- AA12** La Pol, jia farfu la Bab, e la Pit  
 (la pol) (jia [farfu (<la bab> e <la pit>)])  
 Paul, who is the father of Bob and Pete.
- AA13** La Pol, jia farfu la Bab, gu, e la Pit  
 (la pol) (jia [farfu (<<la bab) gu> e <la pit>)])  
 Paul, who is the father of Bob and Pete. (This gu is redundant and insufficient to alter the meaning of A11.)
- AA14** La Pol, jia farfu la Bab, gugu, e la Pit

- ([la pol] [jia (farfu <(la bab) gu> gu]) e (la pit)  
Paul, who is the father of Bob; and Pete. (It takes a double gu to say this. Perhaps we should introduce a guu for this? One that would dissolve into two gu's before the parse?)
- AA15 La Pol, farfu, e perdia la Bab, e la Pit  
(la pol) (farfu e [perdia (<la bab> e <la pit>)])  
Paul is a father, and (he) tutors Bob and Pete.
- AA16 La Pol, farfu, e perdia gu, la Bab, e la Pit  
(la pol) ([farfu e (perdia gu)] [(la bab) e (la pit)])  
Paul is the father of, and the tutor of, Bob and Pete.
- AA17 Da farfu ke la Bab, ki la Pit, la Meris  
da (farfu [(ke <la bab> ki <la pit>) (la meris)])  
He is the father of both Bob and Pete by Mary.
- AA18 Da farfu kanoi la Bab gu, ki la Pit, la Meris  
da (farfu [kanoi (<la bab> gu) ki (<la pit> <la meris>)])  
He is the father if of Bob (by someone) then of Pete by Mary.
- AA19 Da farfu kanoi la Bab, ki la Pit, la Meris  
da (farfu [(kanoi <la bab> ki <la pit>) (la meris)])  
He is the father of if Bob then Pete by Mary.
- AA20 Da farfu la Bab gu, e la Pit, la Meris, a la Betis  
da (farfu [( <la bab> gu) e (<la pit> <(la meris) a (la betis)>)])  
He is the father of Bob (by someone), and of Pete by Mary or Betty.
- AA21 Da farfu la Bab, anoi la Pit, la Meris, a la Betis  
da (farfu [( <la bab> anoi <la pit>) (<la meris> a <la betis>)])  
He is the father of Bob if of Pete, by Mary or Betty.
- AA22 Da farfu la Bab, e la Pit, la Meris, gu, a la Betis  
da (farfu [( <[la bab] e [la pit] (la meris)> gu) a (la betis)])  
He is the father of (both) Bob and Pete by Mary, or of Betty.
- AA23 Da farfu la Bab, e la Pit, ka la Meris, ki la Betis  
da (farfu [( <la bab> e <la pit>) (ka <la meris> ki <la betis>)])  
He is the father of (both) Bob and Pete by either Mary or Betty.
- AA24 Da farfu ke la Bab, ki la Pit, ka la Meris, ki la Betis  
da (farfu [(ke <la bab> ki <la pit>) (ka <la meris> ki <la betis>)])  
He is the father of both Bob and Pete by either Mary or Betty.
- AA25 Da farfu la Bab, gu, e la Pit, la Meris, e lendia  
da ([farfu (<(la bab) gu> e (<la pit>) (la meris)>)] e lendia)  
He is the father of Bob, and of Pete by Mary, and teaches languages.
- AA26 Da farfu la Bab, e la Bet, e ditca la Franses, di, e do  
da ([farfu (<la bab> e <la bet>)] e [ditca (<la franses> <di e do>)])  
He is the father of Bob and Beth and teaches French to her and him.
- AA27 Da farfu, e ditca la Franses, gu, di, e do  
da ([farfu e (ditca (<la franses> gu))] [di e do])  
He is the father of, and teaches French to, her and him.

- AA28 Da farfu, e ditca la Franses, di, e do  
da (farfu e [ditca (<la franses> <di e do>)])  
He is a father, and teaches French to her and him.
- AA29 Da farfu, e ditca la Franses, di gu, e do  
da (farfu e [ditca (<[[la franses] di] gu> e do)])  
Hé is a father, and teaches French to her, and (teaches) him (as a language).
- AA30 Da farfu ba be, noa ditca la Franses, ba, e be  
da (farfu (ba be) noa [ditca (<la franses> <ba e be>)])  
He is the father of someone by somebody only if (he) teaches French to that someone and that somebody.
- AA31 Da kanoi farfu ba be, ki ditca la Franses, ba, e be  
da (kanoi [farfu (ba be)] ki [ditca (<la franses> <ba e be>)])  
He, if the father of someone by somebody, then teaches French to that someone and that somebody.
- AA32 Liu tceму kanoi sackaa liu mutce ki mela Djenis, rutma purda (liu tceму) (kanoi [sackaa (liu mutce)] ki [(<me (la djenis)> rutma) purda])  
'Tceму', if derived from 'mutce', is a "Jenny"-route word.
- BB. Causal Inflectors, Modifiers & Phrases (31)  
(moi soa kou moipa numoi kouhu moihu nukouhu)
- BB01 Mi pa godzi moi mi (pa [godzi moi])  
I went with a purpose, i.e., because of some motive.
- BB02 Mi moipa godzi mi (moipa godzi)  
I purposefully went.
- BB03 Mi ji moi, pa godzi (mi [ji moi]) (pa godzi)  
I, as someone with a purpose, went.
- BB04 Mi ji moipa, godzi (mi [ji moipa]) godzi  
I, as someone with a purpose then, go.
- BB05 Moi mi, godzi (moi mi) godzi  
To get me, go. (I.e., using me as a goal or purpose.)
- BB06 Moi gi mi godzi (moi gi) (mi godzi)  
Purposefully, I go.
- BB07 Soa ta gi da bi de ([soa ta] gi) (da [bi de])  
It follows from that that X = Y.
- BB08 Soa lepo da bi de gi, da tsidru ([soa (lepo <da (bi de)>)] gi) (da tsidru)  
Since X is the same as Y, X is guilty.
- BB09 Da tsidru soa lepo da bi de da (tsidru [soa (lepo <da (bi de)>)])  
X is guilty because X is Y.
- BB10 Mi pa tokna ti moi ta mi (pa [tokna (ti <moi ta>)])  
I took this so that that (goal would be reached).
- BB11 Moi ta gi mi pa tokna ti ([moi ta] gi) (mi [pa (tokna ti)])  
So that that (goal would be reached) I took this.
- BB12 Mi pa danza ta numoi ti mi (pa [danza (ta <numoi ti>)])  
I wanted that (goal) therefore this (act).

- BB13 Ti pa rodja kou lepo tu cuidru da  
ti (pa [rodja (kou <lepo (tu [cuidru  
da])>))]  
This grew because of the fact that  
you watered it.
- BB14 Da pa rodja kou lepo cuidru  
da (pa [rodja (kou <lepo cuidru>))]  
It grew because of the watering.
- BB15 Da pa rodja kou lo cutri  
da (pa [rodja (kou <lo cutri>))]  
It grew because of water.
- BB16 Ti pa rodja kouhu  
ti (pa [rodja kouhu])  
This grew because of what? (This  
grew why?)
- BB17 Tu pa cuidru da moihu  
tu (pa [cuidru (da moihu)])  
You watered it why? (For what  
purpose?)
- BB18 Ti pa rodja nukouhu  
ti (pa [rodja nukouhu])  
This grew with what consequences?  
(A converse 'why'.)
- BB19 Kouhu da pa rodja  
kouhu (da [pa rodja])  
Because of what did it grow?
- BB20 Nukouhu da pa rodja  
nukouhu (da [pa rodja])  
With what consequences did it grow?
- BB21 Moihu tu pa cuidru da  
moihu (tu [pa (cuidru da)])  
Why did you water it? (For what  
purpose?)
- BB22 Moihu tu pa danza lepo da rodja  
moihu (tu [pa (danza <lepo (da  
rodja)>)])  
Why did you want it to grow?
- BB23 Kou ta gi ti pa rodja  
([[kou ta] gi) (ti [pa rodja])  
Because of that, this grew.
- BB24 Mi moi ditca  
mi (moi ditca)  
I purposefully teach.
- BB25 Moi gi mi ditca  
(moi gi) (mi ditca)  
Purposefully I teach.
- BB26 Moi mi, ditca  
(moi mi) ditca  
With me as a goal or prize, teach!
- BB27 Moi ba gi mi ditca  
([[moi ba] gi) (mi ditca)  
With something as a goal, I teach.
- BB28 Mi ditca moi ba  
mi (ditca [moi ba])  
I teach in order to have, be or do  
something.
- BB29 Mi ditca moi lepo mi snire lo junti  
mi (ditca [moi (lepo <mi (snire [lo  
junti])>)])  
I teach in order to be near the  
young, i.e., with that motive.
- BB30 Mi ditca kou lepo mi cluva lo junti  
mi (ditca [kou (lepo <mi (cluva [lo  
junti])>)])  
I teach because I love the young,  
i.e., from that cause.
- BB31 Mi ditca rau lepo mi bremao lo  
junti lopo clivi  
mi (ditca [rau (lepo <mi (bremao  
[[lo junti] (lopo clivi)])>)])  
I teach in order to prepare the  
young for life, i.e., for that  
reason.
- CC. Compound Term Connectives (8)**  
(enumoi enukou efa eva epa)
- CC01 Mi, enumoi la Djan, pa godzi  
mi enumoi [la djan] (pa godzi)  
I and therefore John went.
- CC02 Mi, efa la Djan, pa godzi  
(mi efa [la djan]) (pa godzi)  
I and then John went.

- CC03 Mi pa vizka la Meris, enukou la Pit  
mi (pa [vizka (<la meris> enukou  
<la pit>)])  
I saw Mary and, as a consequence,  
Pete.
- CC04 Da farfu la Djek la Meris, enukou  
ni la Selis  
da (farfu [(la djek) (<la meris>  
enukou <ni (la selis)>)])  
He is the father of Jack through  
Mary and, as a consequence, not  
through Sally.
- CC05 Mi pa godzi, enukou, pa vizka la  
Djan  
mi ([pa godzi] enukou [pa (vizka  
<la djan>)])  
I went and, as a consequence, saw  
John.
- CC06 Mi pa godzi, eva, pa vizka la Djan  
mi ([pa godzi] eva [pa (vizka <la  
djan>)])  
I went and there saw John.
- CC07 Mi pa godzi, epa, vizka la Djan  
mi ([pa godzi] epa [vizka (la  
djan)])  
I went, and, beforehand (i.e.,  
before going), saw John.
- CC08 Mi pa godzi, enumoi, vizka la Djan  
mi ([pa godzi] enumoi [vizka (la  
djan)])  
I went and, as intended, saw John.
- DD. Connective Questions (8)**  
(ha enoi noenoi)
- DD01 Tu danza lo skafi ha lo tcati  
tu (danza [(lo skafi) ha (lo tcati)])  
You want coffee how-connected to  
tea? (Do you want coffee, tea,  
both or neither?)
- DD02 Enoi eo  
enoi eo  
And-not, please. (Coffee but not  
tea, please.)
- DD03 Tu farfu la Djein, ha la Alis  
tu (farfu [(la djein) ha (la alis)])  
You are the father of Jane how-  
connected to Alice? (Are you  
the father of Alice or Jane?)
- DD04 E  
e  
And. (Both. I.e., of both Jane and  
Alice.)
- DD05 Tu farfu la Djein, e la Alis, la  
Meris, ha la Betis  
tu (farfu [(la djein) e (la alis)]  
(<la meris> ha <la betis>)])  
You are the father of Jane and  
Alice, through Mary how-  
connected to Betty?
- DD06 Noenoi. I mi farfu la Djein, la  
Meris, gu, e la Alis, la Betis  
noenoi . i (mi [farfu (<[(la djein]  
[la meris]) gu> e (<la alis) (la  
betis)>)])  
Neither. I am the father of Jane  
through Mary, and of Alice  
through Betty.
- DD07 Inusoa tu farfu la Djein, a la Alis,  
la Meris, e la Betis  
inusoa (tu [farfu (<[(la djein) a (la  
alis)> (<la meris) e (la betis)>)])  
Therefore you are the father of  
Jane or Alice, by Mary and Betty.
- DD08 Ipou no tu farfu la Djein e la  
Alis la Meris a la Betis  
ipou (no [tu (farfu (<[(la djein] e  
[la alis]) ([la meris] a [la  
betis])>)])  
However, it is not the case that  
you are the father of Jane and  
Alice through Mary or Betty.
- EE. Internal Arguments (12)**  
(No new LWs.)
- EE01 Da grobou go kukra lo litla  
da ([grobou go kukra] [lo litla])  
It's a ship that is faster than light.

- EE02 Da kukra je lo litla gu, grobou  
da ([kukra (je <(lo litla) gu>)]  
grobou)  
It's a faster than light, ship.
- EE03 Da penso go kukra mi  
da ([penso go kukra] mi)  
He thinks faster than I do.
- EE04 Da kukra je mi penso  
da ([kukra (je mi)] penso)  
He's a faster-than-I thinker.
- EE05 Ta rutma je la Mineapolis, go kukra  
ti  
ta ([rutma <(je (la mineapolis))> go  
kukra] ti)  
That's a route to Minneapolis that  
is faster than this.
- EE06 Ta rutma je la Mineapolis, jue la  
Cikagos, go kukra ti  
ta ([rutma <(je [la mineapolis])  
(jue [la cikagos])> go kukra] ti)  
That's a route to Minneapolis from  
Chicago that is faster than this.
- EE07 Ta kukra je ti rutma la Mineapolis,  
la Cikagos  
ta ([kukra <(je ti)> rutma] [(la  
mineapolis) (la cikagos)])  
That's a faster-than-this route to  
Minneapolis from Chicago.
- EE08 Ta no nu kukra rutma la Mineapolis,  
la Cikagos  
ta ([no <(nu kukra)> rutma] [(la  
mineapolis) (la cikagos)])  
That's an "unfasterable" route to  
Minneapolis from Chicago. (i.e.,  
unbetterable in speed.)
- EE09 Da farbru je la Djan, go plumro la  
Pit, la Djan  
da ([farbru <(je (la djan))> go  
plumro] [(la pit) (la djan)])  
He's a paternal uncle of John's who  
is more pleasing (as an uncle)  
than Pete to John.
- EE10 Da plumro je la Pit, jue la Djan,  
farbru la Djan
- da ([plumro <(je [la pit]) (jue [la  
djan])>) farbru] [la djan])  
He's a more pleasing-than-Pete-to-  
John type of paternal uncle to  
John.
- EE11 Ba pa korfro je liu me holdu le  
lengu  
ba (pa [(korfro (je [liu  
me])> holdu) (le lengu)])  
There was shape-of-'me' hole in the  
language. (There was a 'me'-  
shaped hole in the language.)
- EE12 Ba pa holdu je le lengu gu, go  
korfro liu me  
ba (pa [(holdu (je [(le lengu)  
gu])> go korfro) (liu me)])  
There was a hole in the language  
which had the shape of 'me'.
- FF. Argument Ordinals (HB-tags) (25)**  
(pua pue pui puo puu)
- FF01 Da sanpa de di do du  
da (sanpa [(de di) do] du])  
X is a sign of Y to W disposing  
behavior/action H under circum-  
stances Q.
- FF02 Pua da sanpa  
(pua da) sanpa  
X is a sign.
- FF03 Pue de sanpa  
(pue de) sanpa  
Y is a (referential) meaning.
- FF04 Pui di sanpa  
(pui di) sanpa  
W is a sign-interpreter, something  
that finds meaning in a sign.
- FF05 Puo do sanpa  
(puo do) sanpa  
H is a (behavioral) meaning, i.e.,  
whatever a sign disposes some  
interpreter to do.
- FF06 Puu du sanpa  
(puu du) sanpa

Q is a situation or set of circumstances which releases a disposition created by some sign.

- FF07 Puu lopo tcaro bapra ga sanpa pua lo redro litla pue lo humni (pue [lopo (tcaro bapra)]) (ga [sanpa (<pua (lo [redro litla])> <pue (lo humni)>)])  
Operating a car is a circumstance making signs out of red lights to humans.
- FF08 Lopo tcaro bapra ga nufe sanpa pua lo redro litla pue lo humni (lopo [tcaro bapra]) (ga [(nufe sanpa) (<pua (lo [redro litla])> <pue (lo humni)>)])  
Operating a car is a circumstance making signs out of red lights to humans.
- FF09 Pue lo denro ga danri sanpa pui lo nimla (pue [lo denro]) (ga [(danri sanpa) (pui <lo nimla>)])  
Danger is a common sign-referent among animals.
- FF10 Lo denro ga danri nu sanpa pui lo nimla (lo denro) (ga [(danri <nu sanpa>) (pui <lo nimla>)])  
Danger is a common sign-referent among animals.
- FF11 Puo lopo prano ga danri sanpa pue lo denro (puo [lopo prano]) (ga [(danri sanpa) (pue <lo denro>)])  
Running is a response commonly disposed by danger.
- FF12 Lopo prano ga danri ju sanpa pue lo denro (lopo prano) (ga [(danri <ju sanpa>) (pue <lo denro>)])  
Running is a response commonly disposed by danger.
- FF13 Lo nimla ga fu sanpa puu lopo do clivi (lo nimla) (ga [(fu sanpa) (puu <lopo (do clivi)>)])  
Animals exhibit behaviors that have been disposed by signs under circumstances of their being alive.
- FF14 La Miniapolis, danri nu godzi pui la Seint Pol (la miniapolis) [(danri (nu godzi) [pui (la <seint pol>)])]  
Minneapolis is a common destination in going from Saint Paul.
- FF15 Ba godzi la Miniapolis, la Seint Pol ba (godzi [(la miniapolis) (la <seint pol>)])  
Someone goes to Minneapolis from Saint Paul.
- FF16 Puo ta vedma (puo ta) vedma  
That is a price.
- FF17 Ta ju vedma ta (ju vedma)  
That is a price.
- FF18 Ba vedma be bo ta ba (vedma [(be bo) ta])  
Someone sells something to someone else for that.
- FF19 Le farfu je pui la Meris le (farfu [je (pui <la meris>)])  
The father through (of offspring out of mother) Mary.
- FF20 Le farfu je ba jue la Meris le (farfu [(je ba) (jue <la meris>)])  
The father of someone through Mary (of at least 1 of Mary's children).
- FF21 Le farfu je raba jio nu matma la Meris le (farfu [je (ra <ba (jio [(nu matma) (la meris)])>)])  
The father of all who are mothered by Mary (all of Mary's children).
- FF22 Da kukra je pui lio nenimeikuasei tcaro

da ([kukra (je <pui (lio  
nenimeikuasei)>)] tcaro)  
It's a faster-(than-something)-by-  
10-meters-per-second type of car.

FF23 Pui lio nenimeikuasei kukra  
(pui [lio nenimeikuasei]) kukra  
Ten meters-per-second is a speed  
differential.

FF24 Lio nenimeikuasei fu kukra  
(lio nenimeikuasei) (fu kukra)  
Ten meters-per-second is a speed  
differential.

FF25 Ba kukra be lio nenimeikuasei  
ba (kukra [be (lio nenimeikuasei)])  
Something is faster than something  
else by ten meters-per-second.

**GG. Compound & Connected Tenses (11)**  
(-fa- -pa- -na- ra- ne- ni- -noi-)

GG01 Mi fapa sucmi  
mi (fapa sucmi)  
I will have swum.

GG02 Mi nepa sucmi  
mi (nepa sucmi)  
I swam once (i.e., one time).

GG03 Mi nipa sucmi  
mi (nipa sucmi)  
I never swam (i.e., zero times in  
the past).

GG04 Mi nina sucmi  
mi (nina sucmi)  
I never swim (i.e., zero times in  
any present time).

GG05 Mi rana sucmi  
mi (rana sucmi)  
I always swim (i.e., at all present  
times).

GG06 Mi noina sucmi  
mi (noina sucmi)  
I don't now swim.

GG07 Mi pacenoina sucmi

mi (pacenoina sucmi)  
I used to swim but don't any longer.

GG08 Mi noipacenoina sucmi  
mi (noipacenoina sucmi)  
I never have, and do not now, swim.

GG09 Mi pacefa bragai  
mi (pacefa bragai)  
I was once, and will again be, a  
king.

GG10 Mi noipacenoinacenoifa bragai  
mi (noipacenoinacenoifa bragai)  
I never have been, am not now, and  
never will be a king.

GG11 Facenoina mi, garni levi landi  
(facenoina mi) (garni [levi landi])  
After but not during me (i.e., my  
lifetime), rule this land.

**HH. Logically Connected Clauses (13)**  
(inoca icanoi ica Ice)

HH01 Kanoi no tu fa kamla, ki no mi  
hijra va  
kanoi (no [tu (fa kamla)]) ki (no  
[mi (hijra va)])  
If you do not come, then I will not  
be there (i.e., be present there).

HH02 No tu fa kamla, inoca no mi hijra  
va  
(no [tu (fa kamla)]) inoca (no  
[mi (hijra va)])  
You will not come only if I'm not  
there.

HH03 No mi fa hijra va, icanoi no tu  
kamla  
(no [mi (fa <hijra va>)]) icanoi  
(no [tu kamla])  
I won't be there if you don't come.

HH04 Kanoi no tu fa kamla ki ke no mi  
hijra va ki tu fa kecdri  
kanoi (no [tu (fa kamla)]) ki (ke  
[no (mi <hijra va>)]) ki [tu (fa  
kecdri)])  
If you don't come, then I'll not be

there and you'll be sorry.

HH05 No mi fa hijra va, icanoi no tu fapa kamla  
(no [mi (fa <hijra va>)]) icanoi (no [tu (fapa kamla)])  
I won't be there if you have not come.

HH06 Tu fapa kamla, icanoi mi hijra va (tu [fapa kamla]) icanoi (mi [hijra va])  
You will have come if I am there.

HH07 Mi fa hijra va, inoca tu fapa kamla (mi [fa (hijra va)]) inoca (tu [fapa kamla])  
I will be there only if you will have come.

HH08 Kanoi mi fa hijra va ki tu pa kamla  
kanoi (mi [fa (hijra va)]) ki (tu [pa kamla])  
If I am there, then you came.

HH09 Ka no mi fa hijra va ki tu pa kamla  
ka (no [mi (fa <hijra va>)]) ki (tu [pa kamla])  
Either I will not be there or you came (and possibly both).

HH10 No mi fa hijra va, ica tu pa kamla (no [mi (fa <hijra va>)]) ica (tu [pa kamla])  
I will not be there, and/or you came.

HH11 Tu fapa kamla, ica no mi hijra va (tu [fapa kamla]) ica (no [mi (hijra va)])  
You will have come, and/or I won't be there.

HH12 Tu fapa kamla, ica ke no mi hijra va ki tu kecdri  
(tu [fapa kamla]) ica (ke [no (mi <hijra va>)]) ki [tu kecdri]  
You will have come, and/or both I'm not there and you are sorry.

HH13 Ice mi sui fa hijra va ice ([mi sui] [fa (hijra va)])  
And I, too, will be there.

## II. Causally-Connected Clauses (7) (i- ki-)

II01 Ti pa rodja, ikou tu cuidru da (ti [pa rodja]) ikou (tu [cuidru da])  
This grew because you watered it.

II02 Nukouki ti pa rodja, ki tu cuidru da nukouki (ti [pa rodja]) ki (tu [cuidru da])  
Therefore this grew, you watered it.

II03 Tu pa cuidru ti, inukou da rodja (tu [pa (cuidru ti)]) inukou (da rodja)  
You watered this; therefore it grew.

II04 Mi pa cuidru da, imoi da pafa rodja (mi [pa (cuidru da)]) imoi (da [pafa rodja])  
I watered it so that it would grow.

II05 Kouki tu pa cuidru ti, ki da rodja kouki (tu [pa (cuidru ti)]) ki (da rodja)  
Because you watered this, it grew.

II06 Mi pa danza ti, imoi mi pafa ponsu ta (mi [pa (danza ti)]) imoi (mi [pafa ponsu ta])  
I wanted this so that I could have that.

II07 Mi ditea, imoi mi bremao lo junt (mi ditca) imoi (mi [bremao (lo junt)])  
I teach so that I may prepare the young.

## JJ. Indirect Designation; Foreign Quotation (14) (lae sae lie)

JJ01 Eo kambei mi laeli, Loglan Nen, lu

- eo (kambei [mi (lae <li loglan nen lu>))  
Please bring me "Loglan 1".  
(Please bring me the thing of which 'Loglan Nen' is a sign.)
- JJ02 Eo kambei mi laelie gai, War and Peace, gai  
eo (kambei [mi (lae <lie (gai , war and peace , gai)>))  
Please bring me "War and Peace".  
(Please bring me the thing of which 'War and Peace' is a sign.)
- JJ03 La Djan, melaelie gai, stingy, gai (la djan) (me [lae (lie <gai , stingy , gai>))  
John is whatever the word 'stingy' means in English.
- JJ04 Ei tu pa ridle laeli, Loglan Nen, lu ei (tu [pa (ridle <lae (li loglan nen lu)>))  
Have you read "Loglan 1"?
- JJ05 Ei tu fundi lae laeli, Loglan Nen, lu ei (tu [fundi (lae <lae (li loglan nen lu)>))  
Do you like the referent of the referent of 'Loglan Nen' (i.e., Loglan)?
- JJ06 Da pa cutse sae lepo la Djan, pa prano  
da (pa [cutse (sae <lepo ([la djan] [pa prano])>))  
He said some signs meaning that John ran.
- JJ07 Ei tu vizka sae la Djan ei (tu [vizka (sae <la djan>))  
Do you see signs of John?
- JJ08 Ei tu vizka laeli, La Djan, lu ei (tu [vizka (lae <li la djan lu>))  
Do you see (any) referents of 'La Djan' (i.e., John)?
- JJ09 Ei tu vizka lae la Djan ei (tu [vizka (lae <la djan>))  
Do you see meanings of John?
- JJ10 Ei tu vizka lo sanpa je la Djan ei (tu [vizka (lo <sanpa (je [la djan])>))  
Do you see signs of John?
- JJ11 Ei tu vizka lo nu sanpa je la Djan ei (tu [vizka (lo <(nu sanpa) (je [la djan])>))  
Do you see referents of John?
- JJ12 Ei tu vizka sae sae sae la Djan ei (tu [vizka (sae <sae (sae [la djan])>))  
Do you see signs of signs of signs of John?
- JJ13 Ei tu vizka lo sanpa je lo sanpa je lo sanpa je la Djan ei (tu [vizka (lo <sanpa (je [lo (sanpa <je (lo [sanpa (je <la djan>)]>)]>)]>))  
Do you see signs of signs of signs of John?
- JJ14 Ei tu vizka lae sae lae la Djan ei (tu [vizka (lae <sae (lae [la djan])>))  
Do you see referents of signs of referents of John?
- KK. Metaphor-Marking or "Figurative Quotation" (9)**  
(ja)
- KK01 Mi farfu jo la loglan mi ([farfu jo] [la loglan])  
I am the "father" of Loglan.
- KK02 Ia no. I tu matma jo la Loglan ia no . i (tu [(matma jo) (la loglan)])  
Certainly not; you are the "mother" of Loglan.
- KK03 I la Uorf, pa farfu jo de i ([la uorf] [pa (<farfu jo> de)])  
And Whorf was its "father". (...the "father" of it.)
- KK04 Da smina huigro tojo da (smina [huigro tojo])

He's a "mental giant".

KK05 De smina huiema jo  
de (smina [huiema jo])  
He's a mental "dwarf".

KK06 La Djan, pa brahea rajo na lepo la  
Loglan, brana  
(la djan) (pa [(brahea rajo) (na  
<lepo ([la loglan] brana)>)])  
John midwived, in a manner of  
speaking, at the birth of Loglan.

KK07 Ia no. I la Djan, pa bremao ckela  
ditca tejo la Loglan  
ia no . i ([la djan] [pa (<(bremao  
ckela) (ditca tejo)> <la  
loglan>)])  
Certainly not; John was a "prep-  
school teacher" of Loglan.

KK08 La Djan, pa bremao ckela ditca la  
Loglan, rajo  
(la djan) (pa [(<bremao ckela>  
ditca) (la <loglan rajo>)])  
John was a prep-school teacher of  
Loglan, in a manner of speaking.

KK09 La Djan, pa rajo bremao ckela  
ditca la Loglan  
(la djan) ([pa rajo] [(<bremao  
ckela> ditca) (la loglan)])  
John was, speaking figuratively, a  
prep-school teacher of Loglan.

LL. Letter-Variables and Acronyms (17)  
(-z-)

LL01 Le mrenu pa vedma le kangu le  
cmalo nirli  
(le mrenu) (pa [vedma (<le kangu>  
<le (cmalo nirli)>)])  
The man sold the dog to the little  
girl.

LL02 Nei fa cluva kei  
nei (fa [cluva kei])  
n (the girl) will love k (the dog).

LL03 La Ned, farfu nei  
(la ned) (farfu nei)

Ned is the father of n.

LL04 Nai cluva nei, e fundi lo kangu,  
enumoi fa cluva kei  
nai ([cluva nei] e (fundi <lo  
kangu>)] enumoi [fa (cluva kei)])  
N (Ned) loves n, likes dogs, and  
therefore will love k.

LL05 Nai merji la Meris, ice Mai no fundi  
lo kangu  
(nai [merji (la meris)]) ice (mai  
[(no fundi) (lo kangu)])  
N is married to Mary; and M doesn't  
like dogs.

LL06 Bai merji la Alis, ice Ama fundi lo  
kangu  
(bai [merji (la alis)]) ice (ama  
[fundi (lo kangu)])  
B is married to Alice; and A likes  
dogs.

LL07 Inusoa ba nu dakli lepo Mai no fa  
cluva kei  
inusoia (ba [(nu dakli) (lepo <mai  
(no [fa (cluva kei)])>)])  
Therefore it is likely that M will  
not love k.

LL08 Nai nu perpli laelie gai, Central  
Intelligence Committee, gai  
nai ([nu perpli] [lae (lie <gai ,  
central intelligence committee ,  
gai>)])  
N is employed by (works for) the  
"Central Intelligence Committee".

LL09 Nai nu perpli la CaiIzA  
nai ([nu perpli] [la caiiza])  
N works for the CIA.

LL10 Mai nu perpli, la UNai  
mai ([nu perpli] [la unai])  
M works for the UN.

LL11 Nei danza lepo fa nu perpli, la  
UNaiESaiCaiO  
nei (danza [lepo (fa (<(nu perpli) (la  
unaiesaicaiO)>)])  
n (the little girl) wants eventually  
to work for (the) UNESCO.

- eo (kambei [mi (lae <li loglan nen lu>)])  
Please bring me "Loglan 1".  
(Please bring me the thing of which 'Loglan Nen' is a sign.)
- JJ02 Eo kambei mi laelie gai, War and Peace, gai  
eo (kambei [mi (lae <lie (gai , war and peace , gai)>)])  
Please bring me "War and Peace".  
(Please bring me the thing of which 'War and Peace' is a sign.)
- JJ03 La Djan, melaelie gai, stingy, gai (la djan) (me [lae (lie <gai , stingy , gai>)])  
John is whatever the word 'stingy' means in English.
- JJ04 Ei tu pa ridle laeli, Loglan Nen, lu ei (tu [pa (ridle <lae (li loglan nen lu)>)])  
Have you read "Loglan 1"?
- JJ05 Ei tu fundi lae laeli, Loglan Nen, lu ei (tu [fundi (lae <lae (li loglan nen lu)>)])  
Do you like the referent of the referent of 'Loglan Nen' (i.e., Loglan)?
- JJ06 Da pa cutse sae lepo la Djan, pa prano  
da (pa [cutse (sae <lepo ([la djan] [pa prano])>)])  
He said some signs meaning that John ran.
- JJ07 Ei tu vizka sae la Djan ei (tu [vizka (sae <la djan>)])  
Do you see signs of John?
- JJ08 Ei tu vizka laeli, La Djan, lu ei (tu [vizka (lae <li la djan lu>)])  
Do you see (any) referents of 'La Djan' (i.e., John)?
- JJ09 Ei tu vizka lae la Djan ei (tu [vizka (lae <la djan>)])  
Do you see meanings of John?
- JJ10 Ei tu vizka lo sanpa je la Djan ei (tu [vizka (lo <sanpa (je [la djan])>)])  
Do you see signs of John?
- JJ11 Ei tu vizka lo nu sanpa je la Djan ei (tu [vizka (lo <(nu sanpa) (je [la djan])>)])  
Do you see referents of John?
- JJ12 Ei tu vizka sae sae sae la Djan ei (tu [vizka (sae <sae (sae [la djan])>)])  
Do you see signs of signs of signs of John?
- JJ13 Ei tu vizka lo sanpa je lo sanpa je lo sanpa je la Djan ei (tu [vizka (lo <sanpa (je [lo (sanpa <je (lo [sanpa (je <la djan>)]>)]>)]>)])  
Do you see signs of signs of signs of John?
- JJ14 Ei tu vizka lae sae lae la Djan ei (tu [vizka (lae <sae (lae [la djan])>)])  
Do you see referents of signs of referents of John?
- KK. Metaphor-Marking or "Figurative Quotation" (9)**  
(ja)
- KK01 Mi farfu jo la loglan mi ([farfu jo] [la loglan])  
I am the "father" of Loglan.
- KK02 Ia no. I tu matma jo la Loglan ia no . i (tu [(matma jo) (la loglan)])  
Certainly not; you are the "mother" of Loglan.
- KK03 I la Uorf, pa farfu jo de i ([la uorf] [pa (<farfu jo> de)])  
And Whorf was its "father". (...the "father" of it.)
- KK04 Da smina huigro tojo da (smina [huigro tojo])

LL12 Ipou nei danza lepo na nu perpli la SaiPaiCaiA  
ipou (nei [danza (lepo <na ([nu perpli] [la saipaicaia])>]))  
However, n wants to work now for the SPCA.

LL13 Mao ponsu ba jio kasni  
mao (ponsu [ba (jio kasni)])  
M' (Marvin) owns a cow. (M' stands for Greek Mu.)

LL14 Lo HaitoO bi lo cutri  
(lo haitoo) (bi [lo cutri])  
(The) H<sub>2</sub>O is water.

LL15 Lo HaitoSaiOfo bi lo melaelie gai,  
sulphuric acid, gai (/haito-saiOfo/  
(lo haitosaiifo) (bi [lo (me <lae (lie [gai , sulphuric acid , gai])>]))  
(The) H<sub>2</sub>SO<sub>4</sub> is whatever 'sulphuric acid' means in English.

LL16 Ta HaitoSaiOfo  
ta haitosaiifo  
That's sulphuric acid.

LL17 asi groda bei cei  
asi (groda [bei cei])  
a is bigger than b by c.

**MM. Predicates as Names & Vocatives (7)**  
(No new LWs.)

MM01 Hoi Mrenu  
hoi mrenu  
Hi, Man!

MM02 Hoi Ganfua go Redro nu Herfa  
hoi ganfua go redro nu herfa  
Hail, Lady with the Red Hair!

MM03 Ei tu vizka Hoi Ganbra, lepo mi  
pana nu ganble turka letu fothaa  
ei (tu [(vizka <hoi ganbra>) (lepo <mi (pana [(<nu ganble> turka) (letu fothaa)])>]))  
Do you see, O Noble One, that I have worked admirably on your castle?

MM04 Ei tu pa vizka la Mrenu  
ei (tu [pa (vizka <la mrenu>)])  
Did you see (the) Man?

MM05 La Garfua go Redro nu Herfa ga  
matma mi  
(la [garfua go (redro <nu herfa>)])  
(ga [matma mi])  
(The) Lady with Red Hair is my mother.

MM06 La Blabi Garfua pa korji la Redro  
Garfua lepo godzi la Hatro Sitfa  
(la [blabi garfua]) (pa [korji (<la (redro garfua)> <lepo (godzi [la (hatro sitfa)])>)])  
(The) White Queen told (ordered the) Red Queen to go to (the) Hot Place.

MM07 La Musmu pa djadou la Ratau lepo  
de fa dangoo la Vrici  
(la musmu) (pa [djadou (<la ratau> <lepo (de [fa (dangoo <la vrici>)])>)])  
Mouse told (informed) Rat that he (Mouse) was going to go down River.

**NN. Grouped & Ungrouped Afterthought Connections (12)**  
(i- -ge -ci)

NN01 Mi pa prano. Ifa mi sucmi. Ifa mi fleti. Ifa mi dzoru  
mi (pa prano) . ifa (mi sucmi) . ifa (mi fleti) . ifa (mi dzoru)  
I ran. Then I swam. Then I flew. Then I walked.

NN02 Mi pa prano, e sucmi, e fleti, e dzoru  
mi [((<pa prano> e sucmi) e fleti] e dzoru)  
I ran and swam, and flew, and walked.

NN03 Mi pa takna da, e de, e di, efa do  
mi (pa [takna (<(da e de) e di> efa do)])  
I talked to X and Y, and to W, and

then to Q.

- NN04 Muvdo, icanoi da redro, icaci de nigro  
muvdo icanoi ([da redro] icaci [de nigro])  
Move if (either) X is red or Y is black.
- NN05 Muvdo, icanoi da redro, ica de nigro  
(muvdo icanoi [da redro]) ica (de nigro)  
(Either) Move if X is red, or Y is black.
- NN06 Muvdo, icanoige da redro, ica de nigro, ica di vegri  
muvdo icanoige ([da redro] ica (de nigro)) ica [di vegri]  
Move if (either either) X is red or Y is black, or W is green.
- NN07 Da muvdo, anoi redro, aci nigro da (muvdo anoi [redro aci nigro])  
X moves if (either) red or black.
- NN08 Da muvdo, anoi redro, a nigro da ([muvdo anoi redro] a nigro)  
X (either) moves if (it is) red, or (it is) black.
- NN09 Da muvdo, anoige redro, a nigro, epa vegri  
da (muvdo anoige [(redro a nigro) epa vegri])  
X moves if (it is both, either) red or black, and before that, green.
- NN10 Mi godzi da, anoi de, e di mi (godzi [(da anoi de) e di])  
I go to X if Y, and (to) W.
- NN11 Mi godzi da, anoi de, eci di mi (godzi [da anoi (de eci di)])  
I go to X if to (both) Y and W.
- NN12 Mi godzi da, anoifage de, a di, a do  
mi (godzi [da anoifage (<de a di> a do)])  
I go to X if earlier to (either,

either) Y or W, or Q.

**OO. Spelling (8)**  
(No new LWs)

- OO01 Liu artomi purkaa liu atom, e nu leasri li, a. rei. tei. o. mei. i, lu (liu artomi) ([purkaa (liu atom)] e [(nu leasri) (li a . rei . tei . o . mei . i lu)])  
The word 'artomi' is derived from the word 'atom', and is spelled 'eigh. are. tee. oh. em. eye'.
- OO02 Liu atmo sui purkaa liu atom, e nu leasri li, a. tei. mei. o, lu ([liu atmo] sui) ([purkaa (liu atom)] e [(nu leasri) (li a . tei . mei . o lu)])  
The word 'atmo' also is derived from the word 'atom', and is spelled 'eigh. tee. em. oh'.
- OO03 Ie le to po purkaa ga nu fundi tu (ie [le to (po purkaa)]) (ga [(nu fundi) tu])  
Which of the two derivations do you like better?
- OO04 Liu protoni purkaa liu proton, e nu leasri li, pei. rei. o. tei. o. nei. i, lu (liu protoni) ([purkaa (liu proton)] e [(nu leasri) (li pei . rei . o . tei . o . nei . i lu)])  
The word 'protoni' is derived from the word 'proton', and is spelled 'pea. are. oh. tee. oh. en. eye'.
- OO05 Liu purkaa purkaa li purda kamla lu, e nu leasri li, pei. u. rei. kei. a. a, lu (liu purkaa) ([purkaa (li purda kamla lu)] e [(nu leasri) (li pei . u . rei . kei . a . a lu)])  
The word 'purkaa' is derived from 'purda kamla', and is spelled 'pea. you. are. keigh. eigh. eigh'.
- OO06 Artomi. a. rei. tei. o. mei. i artomi . a . rei . tei . o . mei . i

Artomi. eigh. are. tee. oh. em. ee.

OO07 Atmo. a. tei. mei. o  
atmo . a . tei . mei . o  
Atmo. eigh. tee. em. oh.

OO08 Protoni. Pei. Rei. O. Tei. O. Nei. I  
protoni . pei . rei . o . tei . o .  
nei . i  
Protoni. pea. are. oh. tee. oh. en.  
eye.

PP. Sentences in VOS Order (4)  
(goa)

PP01 Goa seidjo lue no nu trecymro bekti  
ji vi lo rardza goa lea surpernova  
goa (seidjo [(lue <(no [nu  
trecymro]) bekti>) (ji <vi (lo  
rardza)>)]) goa (lea surpernova)  
Among the most interesting objects  
in the universe (all-existence)  
are the supernovae.

PP02 Goa gudbi lo cutci lopo pucblo lo  
naldi goa lo mroza  
goa (gudbi [(lo cutci) (lopo <pucblo  
(lo naldi)>)]) goa (lo mroza)  
Better than shoes for driving (push-  
hitting) nails are hammers.

PP03 Goa gudbi lo cutci lopo pucblo lo  
naldi goa lo mroza  
goa (gudbi [(lo cutci) (lopo <pucblo  
(lo naldi)>)]) goa (lo mroza)  
Better than shoes for driving (push-  
hitting) nails are hammers.

PP04 Na levi delnai goa bilti lo blabi  
flora goa rui re lea floryclu lo  
redro  
(na [levi delnai]) (goa [bilti (lo  
<blabi flora>)]) goa [(rui <re (lea  
floryclu)>)] (lo redro)]  
These days, more beautiful than  
white flowers, are, according to  
most flower-lovers, red ones.