UNOTA

A Geometric Approach to a Universal Symbolic Notation

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circa 1975

This Draft
20140523

Unota

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Preface

The work arose out of an attempt to construct a graphic symbolic language for human communication, inspired by the concepts of geometric semantic introduced in the book "The Geometry of Meaning" by Arthur M. Young.

The "language" produced here is not one that dictates any particular pronunciation. It is not a "phonetic" language, but rather an "ideogrammatic" language in the tradition of Egyptian hieroglyphs or Chinese symbolic "characters" (the latter of which are well recognized and understood throughout all of the provinces of China, even though their pronunciation may be completely different under the dialects of each province.)

Granted, all written languages employ some degree of "direction in the page" to convey a bit of meaning to the reader. The words you read at this moment are understood to be taken "from left to right", and individual lines are understood to be followed "down the page". But I wanted to give small nuances of geometric relationships a far greater role in specifying and presenting the meaning of an expression. Unota employs fully the 8 "directions of the compass" in varying the meaning of its component parts, as well as to represent specific contextual relationships.

Herein, I found it most natural to employ "direction and contextual placement" on the written page to represent the common "prepositions" (above, across, after, at, before, beneath, between, ... etc.,) and then produce symbolic "root verbs" (to jump, to run, to speak, to carry) in a graphical form that allows an implicit or explicit "verb-direction" to be evident. By orienting the "directed verb" on the page in various ways, one then obtains a multiplicity of expressions of the form "to jump over", "to run across", "to speak out", etc.

As it turns out, the words employed to describe the various meanings obtained in Unota have a very natural "Anglo form" and (derivative) "Latin form". In developing the component verb-proposition complexes, I was surprised to find a deep "duality" in common English between words derived of these two roots, the Anglo-Germanic and the Latin. For instance, one might equivalently use:

> "to put back" (Anglo form)
> "to replace" (Latin form, re = "back" or "again")

Another example:

> "to carry across" (Anglo form)
> "to transport" (Latin form, trans = "across" and portare, "to carry")

One thus understands "report" (to carry back), "transport" (to carry across), "import", "export", "deport", etc, to all be "directional variants" of the root "portare" (to carry).

1   Introduction

Unota (pronounced "OO-no-tah") utilizes relative size, placement, and direction in order to extend contextual meaning in the construction and application of a wide variety of "root verbs". The subject and object or predicates "connected" through this verb-relation are often visually isolated by being placed within circles, or across a circular arc that acts as a boundary. The overall "context" of the expression is usually contained within a large circle, or implied circular boundary, and the lesser elements of the expression in smaller circles or encapsulating shapes. Since the verbs", representing the "action" or relation expressed, often entails a arrow or similar directional indicator, I have often described Unota as my "circles and arrows language" (borrowing from the Arlo Guthrie song "Alice's Restaurant", wherein he is on trial for littering, and the prosecution offers up as evidence a slew of color photographs taken of the "crime scene", each photograph repleate with "circles and arrows, and a paragraph on the back of each one".)

Additionally, the language allows the natural "short-reference" to previously introduced elements. Consider the following two English sentences:

> "The **city planning commission** met this week to consider the issue of new construction permits."

> "During the course of the meeting, **they** decided ..."

It should be clear from the sequence of constructs that the term "**they**" in the second sentence refers to the "**city planning commission**" of the previous sentence. In a similar way, once a subject or object has been introduced by means of a circle enclosing a sufficient arrangement of identifying symbols, that object may be referenced in a subsequent expression by means of a much smaller circle containing only the "main thrust" symbol of the previous identification.

1.1   Statics

The following chart depicts the basic static relationships that can be conveyed between subjects or objects of discourse. There are no "verbs" or actions represented.
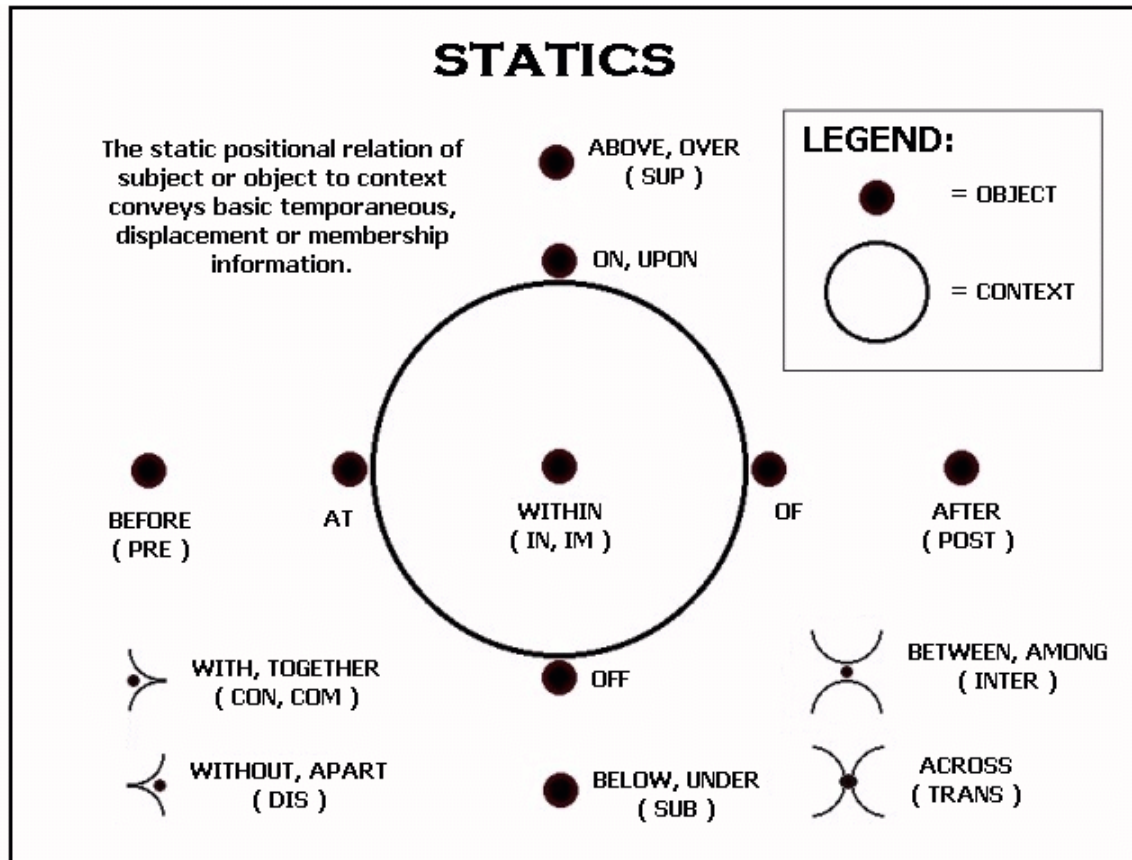
In each case, the stated relation is one of the indicated "object" to the larger "context".

Notice that in addition to the "Anglo-Germanic" term for the prepositional relation, the Latin term, where common, is presented parenthetically. Thus, one should surmise that terms such as "prevent", "precede", "prepare", etc, will all be formed in ways that reflect the "before" (pre) relationship of the given verbs "vent", "cede" or "pare". Similarly, terms such as "subsume", "subvert" and "subsist" will be formed in ways that reflect the "below" (sub) relation of the verbs "sumere" (to take), "vertare" (to turn), and "sistare" (to stand).

1.2   Dynamics

The following chart depicts the dynamic verb, in its most generic representation, and the varied positional and directional nuances that are supported in the relationship of subject to object or context.

DYNAMICS

A GENERIC VERB

OVER (SU, SUP)
FOR (PRO)
BETWEEN (INTER)
ACROSS (TRANS)

TO, TOWARD (OB, OP)
IN, INTO (IN, IM)
OUT (E, EX)

AT (OB, OP)
THROUGH (PER, PUR)
FROM (AB, DIS)
AWAY

BACK, AGAIN (RE)

AGAINST (CONTRA)
UNDER (SUB)
TOGETHER (CON, COM)

DOWN (DE)
APART (A, DIS)
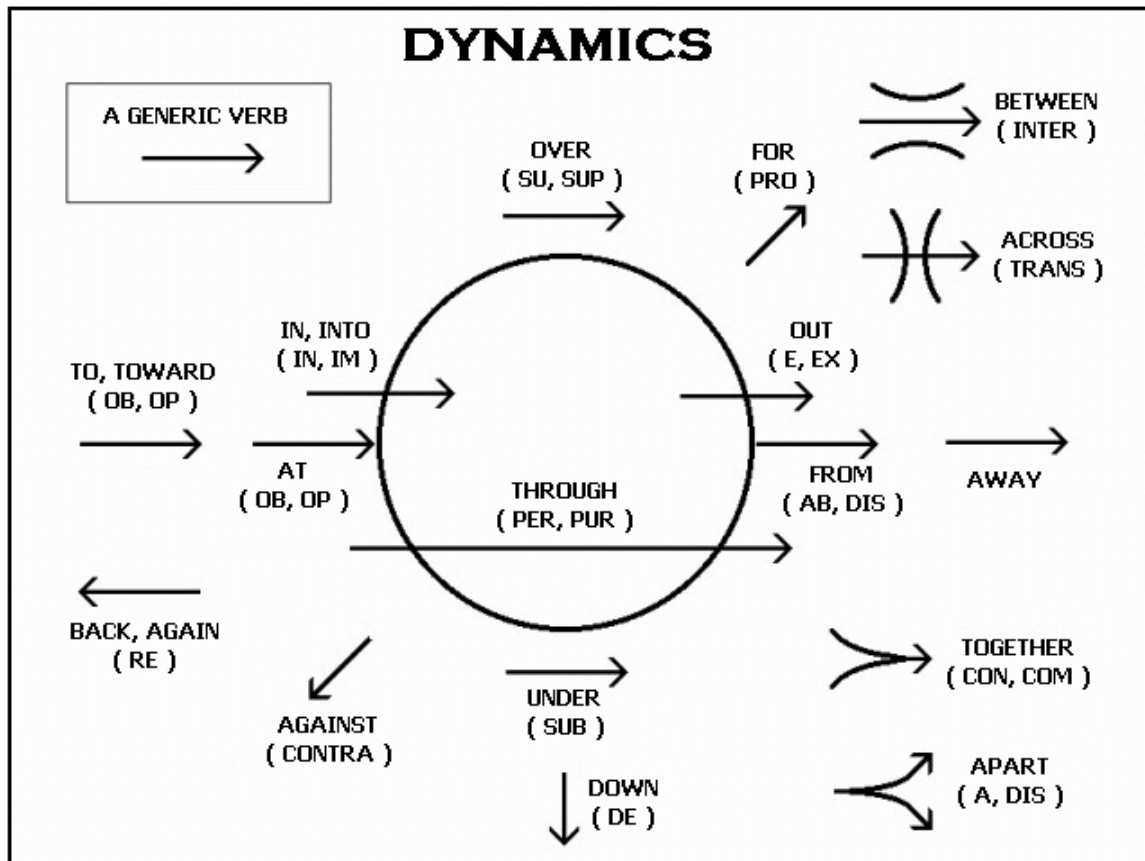
Although this chart conveniently demonstrates the basic range of relationships of a (generic unnamed) verb in its context, it is usually unnecessary to depict the central context as a complete circle, as it is implied by the convexity. For instance:

Sample Abbreviations

can be abbreviated as

can be abbreviated as
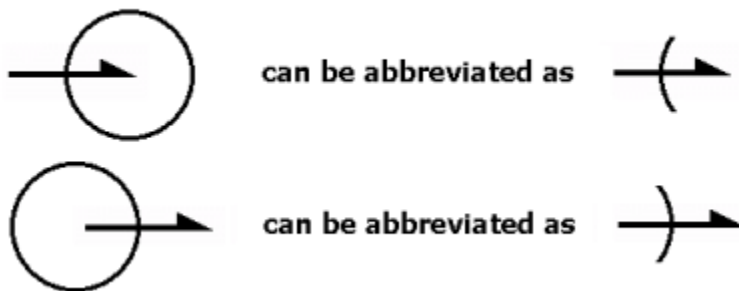
1.3   Preview of Common Root Verbs

The following chart depicts some of the most common root verbs that will be explored and extended in subsequent sections. In each case, the verb shown is given in its standard "forward" orientation (pointing "to the right".)

Some Common Root Verbs in their Base Orientation
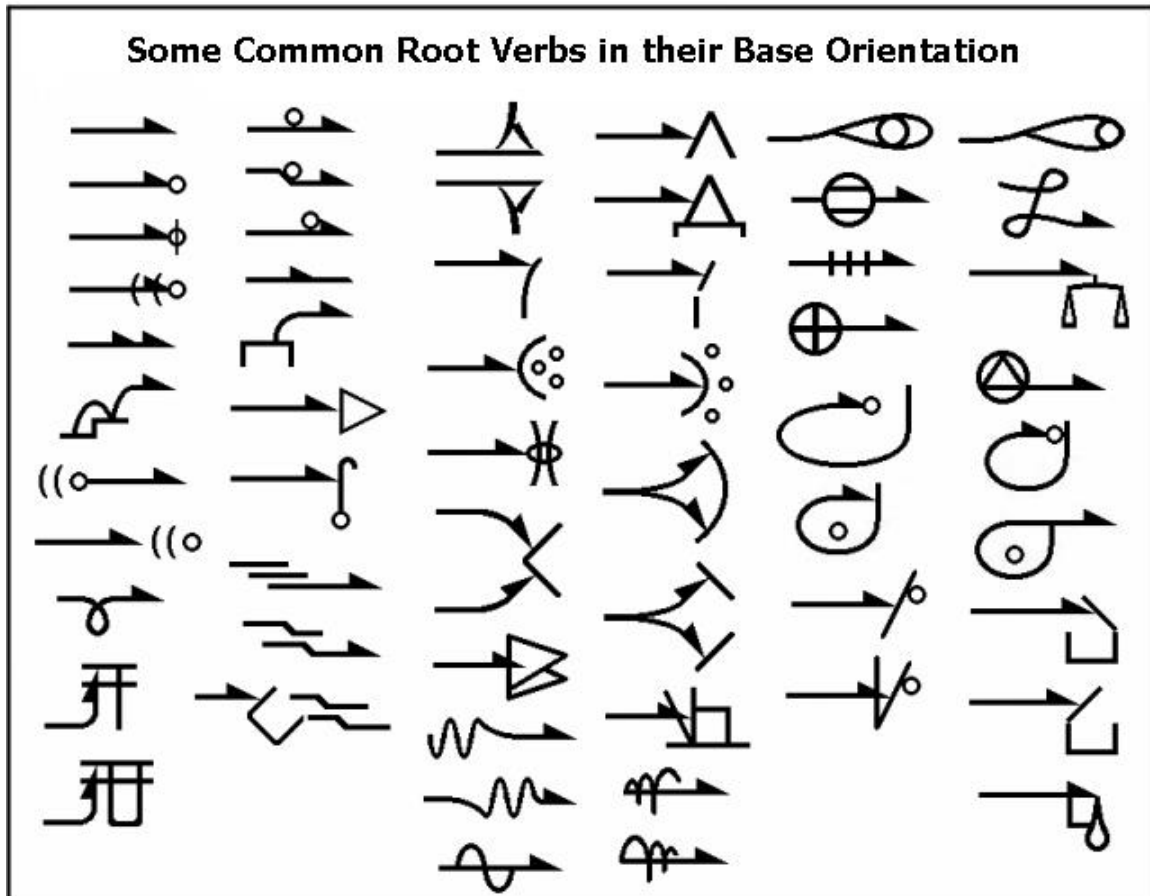
We have already introduced one of these verbs, the "generic unnamed" verb that appears in the upper left corner of the chart, represented by a simple "arrow". We employed it when we introduced the "dynamics" chart on the previous page. This verb is actually used as the named verb, "to do" (Latin: "fectere"). In the following pages, we will explore how "fectere" and a few other sample verbs can be extended prepositionally, and how derivative nouns may be formed from them as well.

After this "preview" section, we will formally introduce and name each of the common verbs, learn to employ them in varied compound expressions, and introduce a basic grammar by which expressions corresponding to "full sentences" can be constructed.

1.3.1   Example: Extending the Root Verb "Fectere" (To DO)

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In the following chart, we depict the varied semantic extensions to the root verb "to do". Compare this chart to the "Dynamics" chart shown earlier, in which the verb was without semantic content.
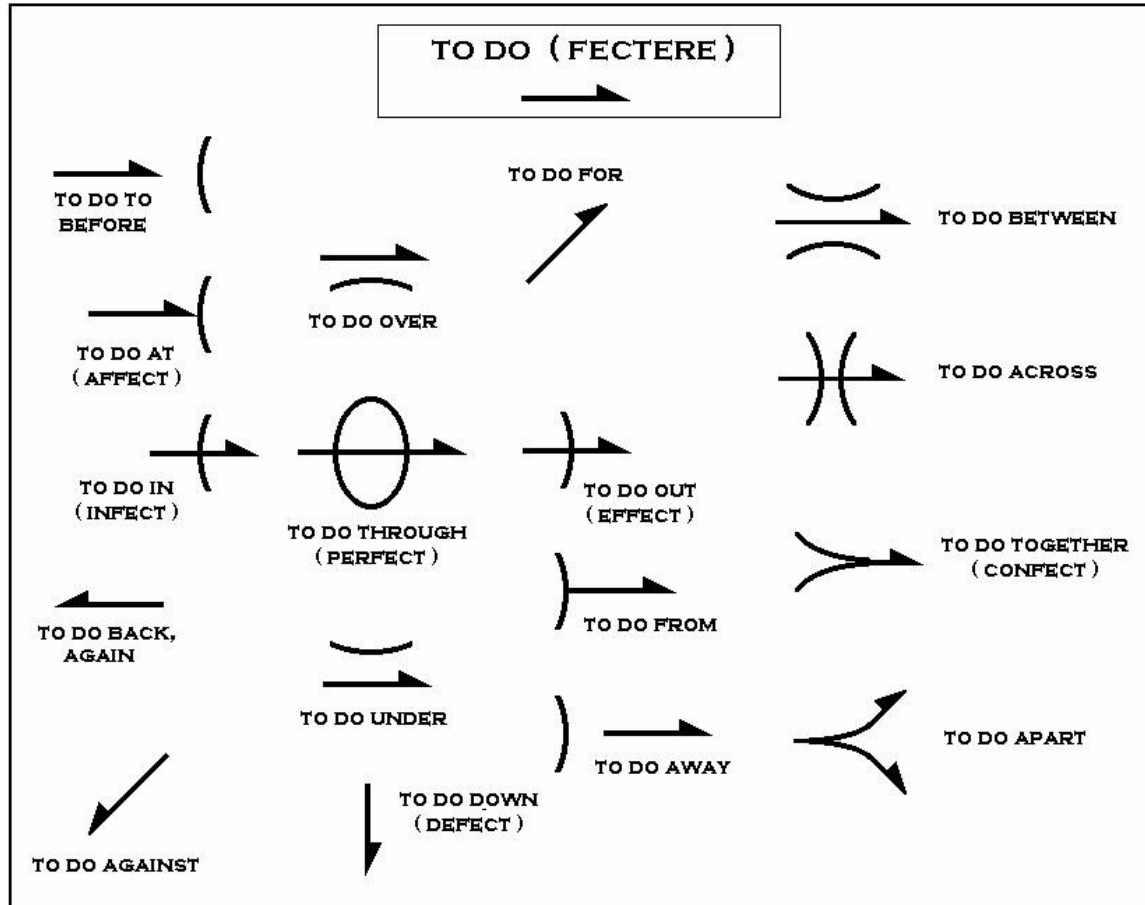
We have now gained a symbolic form for the verbs "to affect", "to infect", "to perfect", "to effect" and "to defect", as well as many verbs that have no common "Latinized" form, such as "to do back" (refect), "to do under" (subfect), "to do between" (interfect), and "to do across" (transfect), etc.

Preview of Derivative Noun Formation:

If any of the verbs depicted above are themselves enclosed in an encapsulating circle, they become the derivative noun. For instance, the verb "to infect", when enclosed in a circle, becomes the noun "infection".

1.3.2   Example: Extending the Root Verb "Portare" (To CARRY)

By depicting our verb to be "bearing" a small object, we obtain "to carry" (portare).
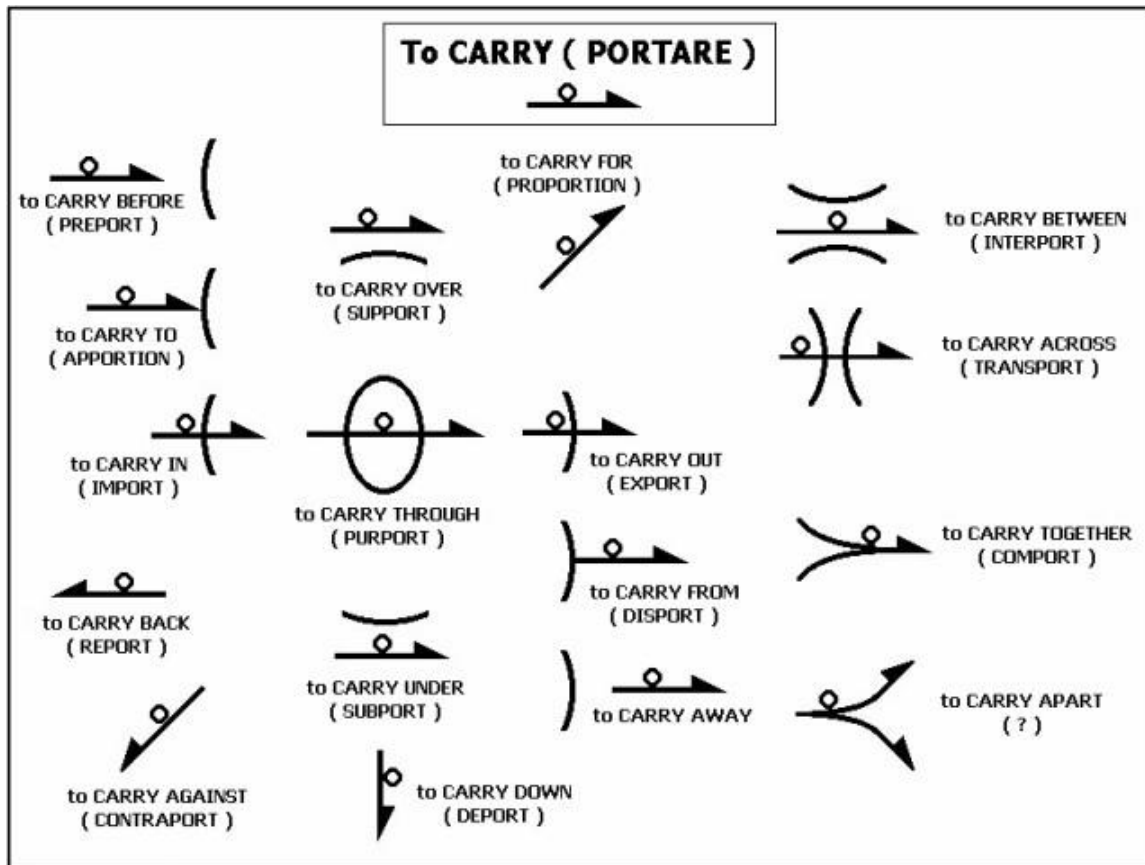
Thus, we obtain many common verbs such as "to import", "to export", "to transport", "to report", "to deport", and "to support", as well as many that have no common Latin form (to "carry between", to "carry against", etc.)

1.3.3 Example: Extending the Root Verb "Posare" (To PUT, PLACE)

By depicting our verb to be "positioning" a small object precisely on a bounding "mark", we obtain "to put or place" (posare).
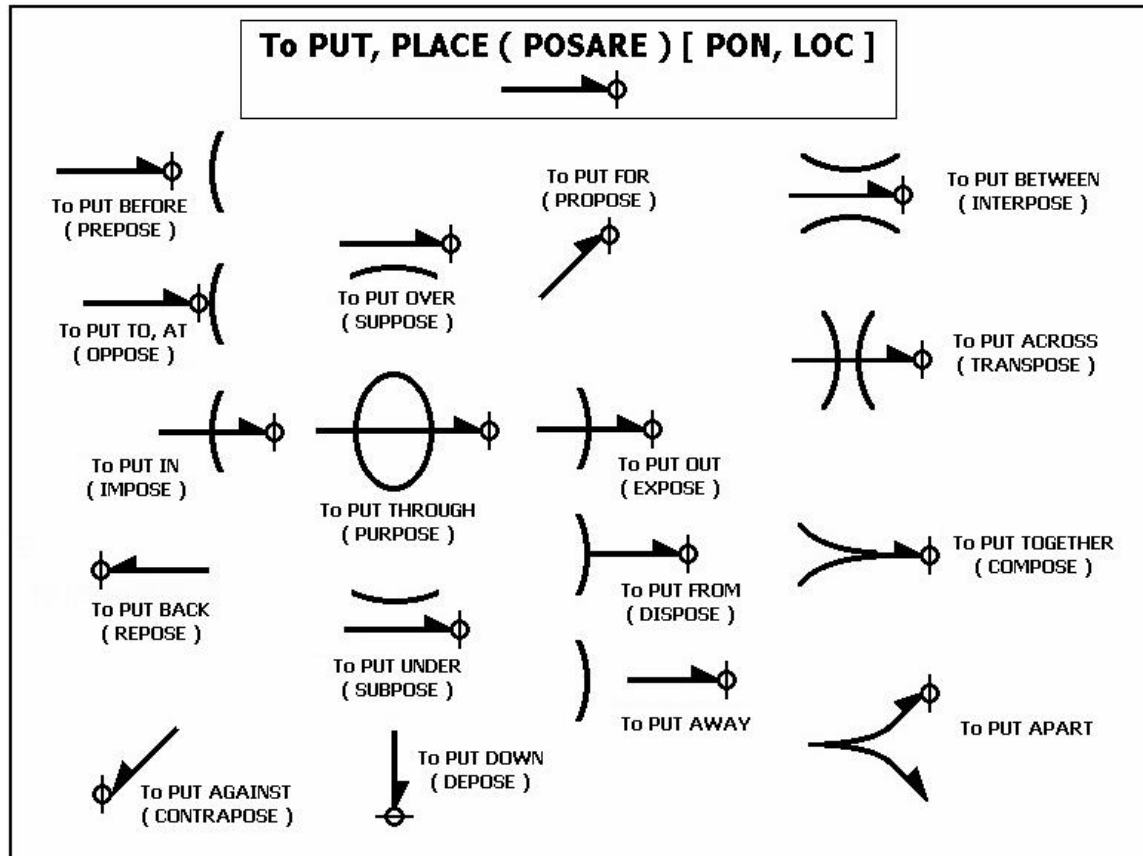
Herein, we gain verbs such as "to oppose, impose, expose, repose, propose, dispose, depose (or deposit), transpose, compose", etc. As well, by encircling each symbol, we obtain the derivative nouns "opposition, imposition, exposition, reposition, proposition, disposition, deposition (or "a deposit"), transposition, composition", etc.

1.3.4 Summary of Verb Preview

In the three examples given above, we have extended only 3 of the roughly 60 basic root verbs shown in the chart at the top of this section. Yet, by the mechanism of relative placement and orientation, we have expanded each of those root verbs into approximately 15 variant forms, (and by encapsulation, developed as many derivative nouns.)

These results are summarized in the table below.

Placement or Orientation	To DO (Fectere)	To CARRY (Portare)	To PLACE (Posare)
Before	prefect	preport	prepose
To, At	affect	opport	oppose
Back	refect	report	repose
In	infect	import	impose
Out	effect	export	expose
Through	perfect	purport	purpose
Over	suffect	support	suppose
Under	subfect	subport	subpose
From	disfect	disport	dispose
For	profect	proport	propose
Against	contrafect	contraport	contrapose
Down	defect	deport	depose
Between	interfect	interport	interpose
Across	transfect	transport	transpose
Together	confect	comport	compose

We notice that only about half of these words are common "Latin-root" English words, such as "infect", "support", and "dispose", and roughly half are unfamiliar (e.g., transfect, contraport, and interpose). But the issue is not simply to generate familiar words, for the meaning conveyed by those symbols (respectively, to do across, to carry against, and to place between) are still useful and sometimes common expressions.

As well, we now have symbols for many derivative nouns such as "affection", "opportunity", and "preposition". While the verb "to confect" may be unfamiliar, most of us have eaten "confections" (sweets), etc.

In the following sections, we will introduce and motivate the full range of root verbs alluded to at the top of this section. But first, we will introduce certain "atomic nouns" that will prove useful in subsequent grammatic constructs.

2   Atomic Abstract Nouns

While a great many nouns can be formed by the "nounification" of a related verb, there exist an equally great many nouns that have no such derivation, and are thus called "atomic" nouns. Eventually, we will need to develop a logic for the pictorial construction of a great body of such nouns. For the moment, we introduce some abstract atomic nouns such as the generic indicators "this, that, now, then, why, what, where, when", as well as the pronouns "you, me, they", etc., and attempt to motivate their constructions.
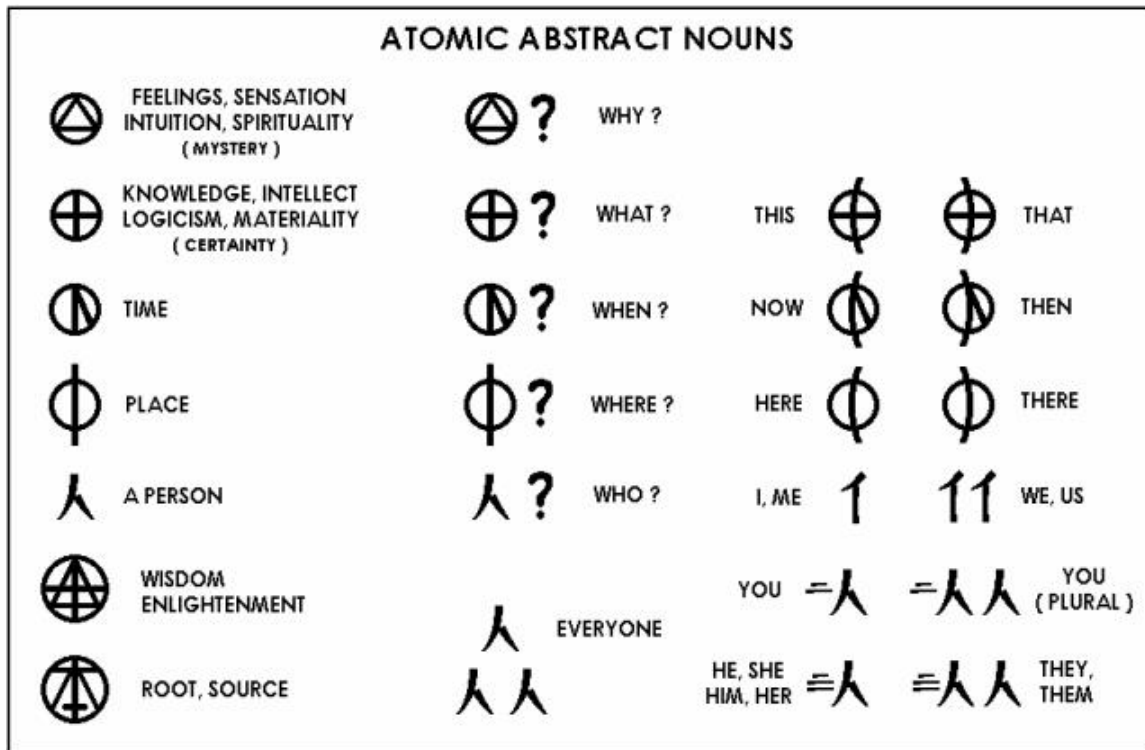
The symbol for (rational) knowledge, depicted by the second symbol in the left column of the chart, represents the notion that the world can be understood by division into independent, orthogonal categories. It represents, essentially, the "reductionist" view of understanding the world by understanding its parts in isolation, and embodies a reflective character reminiscent of Arthur Young's "fourfold operator". In contrast, the symbol for "feelings" or "sensuality" represents the more direct perception of the world, a view unmitigated by reflection and categorization, and resisting of explication by reduction. This view corresponds to Young's "threefold operator".

I felt that the superposition of these two views, the "reductionist" and the "holistic", was an appropriate way to create the symbol for "wisdom". I was also motivated by the fact that the resulting symbol resembled the Chinese symbol for "source" or "root", (being the symbol of a tree, with a small bar near the bottom to emphasize its base or "root".)

Our descriptions of the world often revolve around specifications in "time and space", or "time and place" (when and where). The symbols for these two concepts are thus made to be both simple and similar, "time" depicting an abstract sundial, and "place" being a small circle centered upon a boundary mark. Indeed, the "time" symbol is almost exactly the "place" symbol, but for the additional line depicting the sun's shadow. Borrowing the "knowledge" symbol for its rational "material" quality as a representation of "a thing", or "a what", we obtain the triple "what, when, and where" by following the respective symbols with a question mark ("?"). In any given context, there are myriad answers to the questions "what?", "when?", and "where?", but when the answer is only indicated indirectly or relatively, we often hear the answer "this versus that", or "now versus then", or "here versus there". These "answers", common in the language, are depicted and distinguished by the "bending" of the common vertical member of the symbol, to represent the convexity of the near-term "before" or "to" in the former case, and the convexity of the far-term "after" or "from" in the latter case.
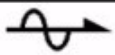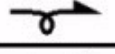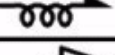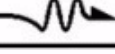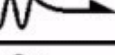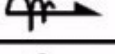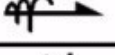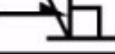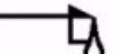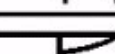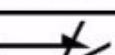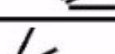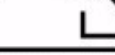
A natural language would be far from useful without a way to depict individuals. Here, I borrow directly the Chinese character for "man" or person, formed to two sweeping marks that suggest a "standing up on two legs." Singularity and pluralities are depicted by prefixing the given symbol by one, two or three short horizontal marks (once again, borrowing the Chinese symbols for "one", "two" and "three"), and these are also employed to indicate "first person", second or third person, etc.

3   A Compendium of Root Verbs

3.1   A Table of 60 Common Root Verbs

Ref #	Symbol	Latin root	English	Examples
1		fectere	to DO	(generic action) affect, effect, infect,...
2		pelare	to PUSH, DRIVE	impel, expel, propel, compel, dispel,...
3		posare	to PUT, PLACE	impose, expose, propose, compose, dispose, ...
4		motare	to MOVE	promote, demote, emote (emotion), ...
5		tracere	to PULL, DRAW	attract, extract, distract, contract, ...
6		jectere	to THROW	object, inject, eject, reject, project, conjecture ...
7		portare	to CARRY	import, export, report, support, transport, ...
8		ferere	to BRING	offer, infer, refer, transfer, confer, interfere, ...
9		ducere	to LEAD	induce (induct), reduce, introduce, conduct, ...
10		legere	to Gather	college (collect), elect (elegible), select, ... delegate, relegate
11		spergere	to SCATTER	disperse, ...
12		cevere / hendere	to GRASP / to SEIZE	receive, conceive, perceive, deceive, ... apprehend, comprehend, reprehensible, ...
13		servere	to KEEP	observe, preserve, reserve, conserve, deserve, ...
14		tenere	to HOLD	attend, intend, extend, pretend, contend, ... attain, retain, contain, pertain, abstain, ...
15		capire / sumere	to TAKE	capture, incapacitate, recapitulate, decapitate, ... assume, presume, consume, resume, subsume, ...
16		pendare	to HANG (WEIGH)	append, prepend, depend, dispense, suspend, ...
17		tangere	to TOUCH	contact, intact, attach, detach, ...
18		flicare	to STRIKE	afflict, inflict, conflict, ...
19		flecere	to BEND	reflect, reflex, deflect, inflection, ...
20		fracare	to BREAK	fracture, infraction, refraction, diffraction, ...

3   A Compendium of Root Verbs (continued)
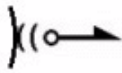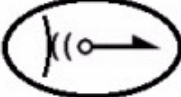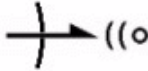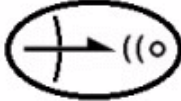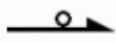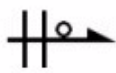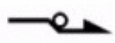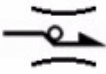
Ref #	Symbol	Latin root	English	Examples
21		mutare	to CHANGE	commute, permute, transmute, immutable, ...
22		versare	to TURN	invert, convert (converse), revert, avert, subvert,
23		volvere	to ROTATE	involve, evolve, devolve, convolve, ...
24		tortare	to TWIST	contort, retort, distort, extort, ...
25		plicare	to FOLD	inplicate, explicate, complicate, replicate, ... apply, imply, comply, reply, ...
26		pactare	to PRESS	impact, compact, ... impress, express, compress, depress, repress, ...
27		tendere	to STRETCH	attend, intend, extend, pretend, contend, ...
28		strictare	to TIGHTEN	constrict, restrict, district, ...
29		laxare	to LOOSEN	relax, release, ...
30		rectere	to RIGHT (STRAIGHTEN)	rectify, correct, direct, erect, resurrect, ...
31		solvere	to SOLVE	resolve, dissolve, absolve, ...
32		struere	to PILE	abstruse, construe, ...
33		structere	to BUILD	instruct, obstruct, construct, destruct, ...
34		cisare	to CUT	incise (incision), excise, decide, concise, rescind, ...
35		cadare	to FELL, KILL	
36		lapsi	to FALL	collapse, elapse, relapse, ...
37		pluere plorare	to POUR to CRY, WAIL	implore, explore, deplore, ...
38		fluere	to FLOW	influx, reflux, efflux (effluent), affluent, ... influence, confluence, ...
39			to OPEN	
40		claudere	to CLOSE	occlude, preclude, include, exclude, conclude, ...

3   A Compendium of Root Verbs (continued)

Ref #	Symbol	Latin root	English	Examples
41		sistare	to STAND	insist, exist, persist, resist, consist, subsist, ...
42		cedere	to YIELD	precede, recede, concede, exceed, intercede, ... ascede, proceed, supercede
43		venere	to COME	convene, intervene, contravene, avenue, ...
44		vadere	to GO	invade, evade, pervade, ...
45		currere	to RUN	occur, incur, recur, concur, procure, ...
46		scendere	to CLIMB	ascend, descend, condescend, ...
47		sultare	to LEAP	assault, insult, exult, result, consult, desultory, ...
48		spectere	to LOOK	aspect, inspect, expect, respect, prospect, perspect
49		visire	to SEE	preview, advise, revise, supervise, evidence, interview, purview, provide (provision),
50		mense	to MEASURE	comment, dement,
51		judicare	to JUDGE	adjudicate prejudice, ...
52		scribare	to WRITE	prescribe, inscribe, describe, transcribe, ... subscribe, conscribe, proscribe, ...
53		dicere	to TALK, SPEAK	predict, indict, condition, rendition, sedition, edict, contradict, interdict, abdicate, ...
54		vocare	to VOICE	invoke, evoke, advocate, revoke, provoke, ...
55		petare rogare	to ASK, SEEK to QUEST	petition, repeat, compete, ... inquest, interrogate, request, conquest, subrogate
56		citare nominare	to CALL to NAME	incite, excite, recite, ... nominate, denominate, ...
57		monstrare munus	to SHOW to GIFT, WARN (STRENGTHEN)	demonstrate, remonstrate, communicate munition, immunize
58		mitere	to SEND	transmit, admit, emit, remit, commit, permit, submit, dismiss, intermission, ...
59		celere levare	to RAISE	accelerate, decelerate, levitate, allieviate, relieve, relevant
60		plenere	to FILL	replenish, repleate, complete, deplete, ...

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3.2   Discussion of Root Verbs Extensions - Ambiguities

The 60 root verbs depicted in the table of section 3.1 allow for almost 1000 extended verbs expressions to be constructed, of which over 500 admit to a recognizable Latin-based verb typical in English usage. Some common examples include "propose", "distract", "eject", "transport", "interfere", "receive", etc. Graphically encapsulating these verbs provide the expression of approximately 1000 derived nouns. Corresponding to the examples just provided, these would be "proposition" (or "proposal"), "distraction", "ejection", "transportation", "interference" and "reception". The following figure depicts these verbs, both the root-form and the particular extended form, and the derived noun.

Example Verb-Extensions and Derived Nouns

Although we may now formulate almost 1000 extended verbs and derived nouns, we should take note that considerable ambiguity exists even among these isolated objects. The most central ambiguity concerns the interpretation of a symbol either in terms of its corresponding "common" Latin-root word, or as the literal "Anglo" translation of that word. Several examples are provided below, demonstrating both the cases where these two meanings "align well", and where they do not.

3.2.1   Latin-Root versus Anglo-Literal Ambiguity

Example: eject (lit. "to throw out")

This example provides relatively good alignment. If, for instance, a player in a sporting event breaks sufficient rules, the officials may "eject" them from the game. Literally, they are "thrown out" of the game. Of course, one may also "throw out" an old and worn shirt, but would not likely say that they have "ejected" the shirt. Yet the meaning is still clear.

Example: reject (lit. "to throw back")

If one is presented with a number of proposals, one might consider them, accept some, and "reject" (throw back) the rest. Here, the meaning aligns well. In contrast, if a father throws a ball to his son in a game of "catch", and the boy proceeds "to throw back" the ball to his father, he is not said to have "rejected" the ball. In common English usage, the term "reject" carries connotations of dissatisfaction or some measure of insufficiency in the object "rejected". Thus, when employing the Unota symbol "to throw back", one may need to rely upon context to disambiguate the intended meaning.

When the subject at hand is "communication" itself, there are naturally a great many terms of Latin derivation that have a different interpretation when taken literally.

Consider:

compose	"to **compose** a letter"	(compose = "to place together")
propose	"to **propose** a plan"	(propose = "to place for")
object	"I **object** to that idea"	(object = "to throw to, at")
confer	"**confer** with a client"	(confer = "to bring together")
perceive	"I **percieve** a problem"	(perceive = "to grasp through")
intend	"I **intend** to prove ..."	(intend = "to hold in")
assume	"I **assume** you mean ..."	(assume = "to take to")
conversation	"we had a **conversation**"	(converse = "to turn together")
retort	"that was a rude **retort**"	(retort = "to twist back")
imply	"do you mean to **imply** ..."	(imply = "to fold in")
reply	"I will **reply** tomorrow"	(reply = "to fold back")
express	"to **express** my feelings"	(express = "to press out")
concur	"I **concur** with the decision"	(concur = "to run together")
consult	"to **consult** a physician"	(consult = "to leap together")

3.3   Unota Composite Forms: Samples

It would be essentially impossible to demonstrate all compositions that could be formed from the approximately 1000 verbs available to us already. Instead, the following pages and figures intend to demonstrate a sample of such constructions.

Sample Unota Composite Constructs 1
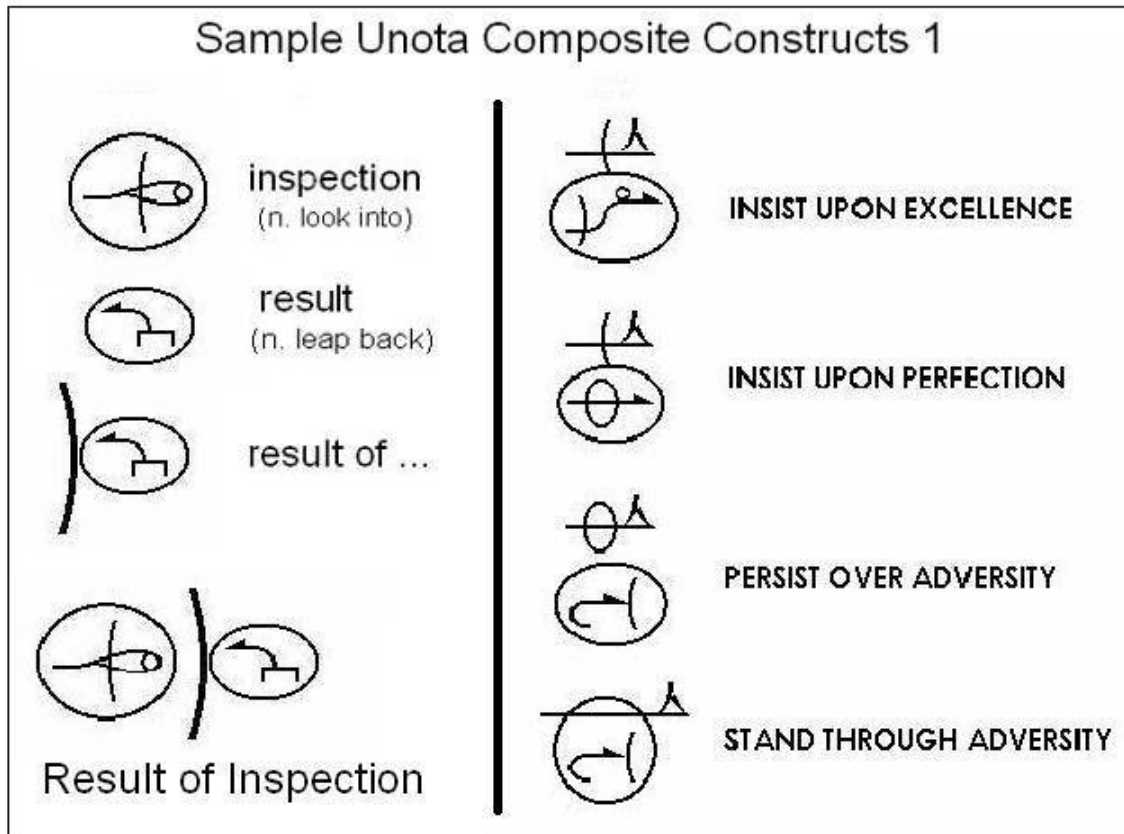
The figure above depicts 5 simple compound constructions. One the left, we step through a sequence that explains the individual elements, producing the "compound noun" (or, noun + prepositional phrase), "Result of Inspection". On the right side, we list 4 additional compound constructs, each representing a sentential predicate (only a subject is missing.) These are in turn formed from 4 common and simple verbs-modifications. All 4 have the common component "to stand" (sistare), in which a person-symbol replaces the usual "arrowhead" indicating verb direction. This "to stand" arrow is prepositionally "into" in the first two expressions (thus, "to insist"), prepositionally "through" in the third expression (thus, "to persist"), and taken literally as "to stand through" in the last expression. The prepositional nouns "excellence" (to "raise out"), "perfection" (to "do through") and "adversity" (to "turn to/at") complete these constructs.

Before entertaining many more compound forms, it will help for us to introduce a general grammar construction, allowing the fundamental "subject-verb-object" expressions to be formed.

4.   Grammar

Without a complete grammar, Unota can form root verbs (run, leap, pose, hold), extended verbs (incur or "run-in", insult or "jump in", compose or "place together", retain or "hold back", etc), the corresponding nouns (an incursion, an insult, a composition), propositional phrases (before the incursion, through the insult, within the composition), and even complete predicates ("spoke before the incursion", "continued through the insult", "sought within the composition"). But in order to form grammatically complete sentences, we must supply a general method for indicating the subject of an expression, as well as any fundamental "helping" or "auxiliary" verbs.

We need a way to express "[Our guest] spoke before the incursion", "[The speaker] continued through the insults", and "[Errors were] sought within the composition." Moreover, it may be that "our guest" never arrived, but was scheduled to speak, and thus "[Our guest would have] spoken before the incursion", "[Errors should have been] sought within the composition", etc.

English (the native and only fluent language of this author) is ripe with compounded auxiliary verbs, most often variants of "to be", "to do" or "to have". Some examples:

1. I eat apples (ostensibly, at any time)
2. I am eating apples (presently)
3. I ate apples (yesterday, the past)
4. I will eat apples (tomorrow, the future)

These examples are simple, but we can also express the idea that I did not eat apples yesterday, although I had intended to do so at noon. An emergency came up just before noon. So I might express that at noon yesterday,

5. "I would have been eating apples", (had there been no emergency.)

This expresses a "past intention of future action". "Would have been" expresses past possession of a future will-to-act or be.

Similarly, if I plan to eat apples tomorrow at noon, I can speak now of my expectations of tomorrow afternoon by writing,

6. "I will have eaten" the apples, or "I will have been done eating" the apples.

This expresses a "future expectation of past action".

Additionally, each such expression of compound auxiliary verbs may be preceded by a "helping verb" of the form "can, could, will, would, may, might, must, shall, should" and their negations.

The following figure depicts my attempt to provide the "rules" of common English auxiliary verb transitions.

(English) State-of-Verb Transition Map
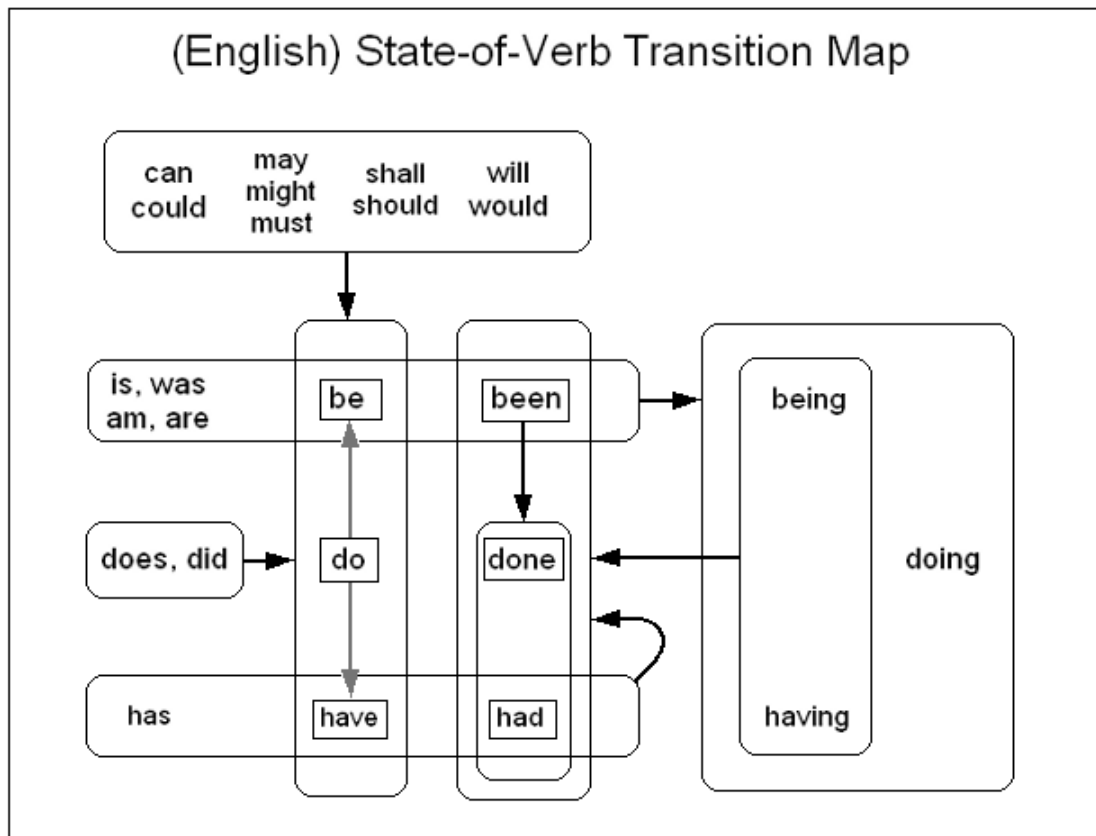
To understand the use of this diagram, let us explore a series of examples. Note that following a given subject, one must either follow immediately with a root verb (and thus terminate the verb construct) or may intercede with the auxiliary verbs of the diagram, which must begin with either the {can, … would} verbs at the top, the verbs on the far left, or with {has, have, had}.

1. "[subject] [ate]" (no use of the diagram at all, simply subject + root-verb).
2. "[subject] could [eat]" (helping verb "could").
3. "[subject] is/was [eating]", "[subject] did [eat]", "[subject] has [eaten]". (auxiliary verb)

Constructs involving more than one auxiliary verb must obey the chart. For instance, if a sequence begins at the top with one of {can, could, … will, would}, it must follow with one of the verbs {be, do, have}. The verb "do" generally terminates a verb-sequence, although one might be heard to say, "I do have money", instead of simply "I have money", hence the gray arrows. The verb "be" is within a horizontal bubble containing {is, was, am, are, be, been}, and that bubble is allowed to transition to any one of {being, doing, having}. As with "do", the verb "doing" is a terminator, while "being" or "having" are allowed to transition to the vertical bubble containing {been, done, had}. Once again,

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"done" is always a terminator verb. The transition map allows for compound state of verb constructions such as "would have been doing", "will be having", "will have had", etc. We need a Unota construct to represent these verb conditions.

4.1 The Unota Predicate Operator

In addition to being root verbs in their own right, the verbs "to be", "to do" and "to have" appear ubiquitously as auxiliary verbs (be running, does walk, has seen). In order to avoid undue complexity when appearing as auxiliary verbs, we introduce a simple symbol which can represent any one of these. The symbol has the quality that it can be unambiguously directed (is in fact chiral in 2D) and also acts as a clear boundary between major grammatical elements of an expression.

UNOTA GRAMMAR 1

X = SUBJECT   Y = PREDICATE OBJECT / PREDICATE ADJECTIVE / PREDICATE NOMINATIVE

	BEING, BEEN	HAVING, HAD	DOING, DONE
	AM, IS, ARE (WAS, WERE)	IS BEING	IS, BE HAVING	IS, BE DOING
WILL, WOULD … SHALL,				
MUST … SHOULD …	HAS, HAVE	HAS, HAVE BEEN	HAS, HAVE HAD	HAS, HAVE DONE
MAY, MIGHT,				
CAN, COULD …	DO, DOES	DO, DOES BE···	DO, DOES HAVE	DO, DOES DO

Appendix A. UNOTA VERBS and NOUNS: Root concepts represented

[Anglo term]	[Latin root]
bear	gest
bend	flex
bind	nect, nex
break, fracture	fract, frax
bring	fer
build, pile	struct, stru
call, name	cite, nomen
carry	port
climb	scend
close	clud, clus
come	ven
cut	cis, scind, cid
do	fect, fex
draw	tract, trax
drive	pel
enlarge	magn
fell, kill	cad, cid
fill	plen, plet, ples
flow	flu, flux
fluid	flu, flux
fold	plic, plex
gather, pick, choose	lege, lect, lex
go	vad
grasp	cev, cept, hend
hang	pend, pond
hold	tain, tene
join	junct, jux, sert
judge	jud, jur, jus
know, knowledge	cogn, gnoce
lead	duce, duct, dux
leap	sult
look, seek	spect, spex
loosen	leas, lax
make, form, fix	fac, fab, form
measure, meter	mens, ment
move	mob, mot
part	part, se, cern
place, put	pos, pon, loc
pour	plu
press, pack	pact
pull	tract, trax
push	pel
raise	cel, lev
right, straighten	rect, rex
run	cur
roll	volv
scatter	sperg, spers
see, view	vid, vis
seize	cev, cept, hend
sense	sens, sent
send	mit
serve, service	serv

solve	solve
speak, talk	dict, dix
spread	pand
stand	sist, sta
stretch	tend, tens
strike	flict, fend, fens
take	cap, sume
throw	ject, jex
tighten	strict, strix
touch	tang, tact, tax
turn	vers, vert
voice	voc, vok, vox
weigh	pond, pons
write	scrip, scrib
yield	ced, ces

Appendix B. Alphabetic Reference to Unota Symbols

a-, ab-   L. prep. **from**, **away** (also **without**, **not**)
                                            (except **a**[**xx**] doubled letter, often **to**, **toward**, **at**)
abject   [6]   L. v. "to **throw** from"
abdicate   [53]   L. v. "to **speak** from"
abdication   [53]   L. n. "to **speak** from" (act of)
abduct   [9]   L. v. "to **lead** from"
abduction   [9]   L. n. "to **lead** from" (act of)
absolve   [31]   L. v. "to **solve** from"
absolution   [31]   L. n. "to **solve** from" (act of)
abstain   [14]   L. v. "to **hold** from"
abstention   [14]   L. n. "to **hold** from" (act of)
abstinence   [14]   L. n. "to **hold** from" (act of)
abstract   [5]   L. v. "to **pull** from"
abstraction   [5]   L. n. "to **pull** from" (act of)
ac[c-]   L. prep. **to, toward, at**
accede   [42]   L. v. "to **yield** to"
accelerate   [59]   L. v. "to **raise** to"
acceleration   [59]   L. n. "to **raise** to" (act of)
accept   [12]   L. v. "to **grasp** to"
acceptance   [12]   L. n. "to **grasp** to" (act of)
access   [42,44]   L. v. "to **yield** to, **go/move** to"
accession   [42,44]   L. n. "to **yield** to, **go/move** to" (act of)
accident   [34,35]   L. n. "to **cut** to, **fall** to" (instance of)
acclude   [40]   L. v. "to **close** to"
acclusion   [40]   L. n. "to **close** to" (state of)
ad-   L. prep. **to, toward, at**
addict   [53]   L. v. "to **speak** to"
addiction   [53]   L. n. "to **speak** to" (act of)
adduce   [9]   L. v. "to **lead** to"
adduct   [9]   L. v. "to **lead** to"
adduction   [9]   L. n. "to **lead** to" (act of)
adjective   [6]   L. n. "to **throw** to" (instance of)
adjudicate   [51]   L. v. "to **judge** to"
adjudication   [51]   L. n. "to **judge** to" (act of)
adjunct   [*]   L. n. "to **join** to" (instance of)
admission   [58]   L. n. "to **send** to" (act of)
admit   [58]   L. v. "to **send** to"
admittance   [58]   L. n. "to **send** to" (instance of)
advance   [44]   L. v. "to **go** to"
advantage   [44]   L. n. "to **go** to" (state of)
advene   [43]   L. v. "to **come** to"
advent   [43]   L. n. "to **come** to" (instance of)
adventure   [43]   L. n. "to **come** to" (instance of)
adversity   [22]   L. v. "to **turn** to" (state of)
advertise   [22]   L. v. "to **turn** to"
advertisement   [22]   L. n. "to **turn** to" (instance of)
advice   [49]   L. n. "to **see** to" (instance of)
advise   [49]   L. v. "to **see** to"
advisory   [49]   L. n. "to **see** to" (instance of)
advocate   [54]   L. v. "to **voice** to"
advocation   [54]   L. n. "to **voice** to" (act of)
af[f-]   L. prep. **to, toward, at**
affect   [1]   L. v. "to **do** to"
affection   [1]   L. n. "to **do** to" (instance/state of)

affirm	[33,*]	L. v. "to **make**, **set** to"
affirmation	[33,*]	L. n. "to **make**, **set** to" (act/instance of)
affix	[*]	L. v. "to **fasten** to"
afflict	[18]	L. v. "to **strike** to"
affliction	[18]	L. n. "to **strike** to" (state/act of)
affluence	[38]	L. n. "to **flow** to" (state of)
agnostic	[*]	L. n. "to **know** not" (one who)
ap[p-]		L. prep. **to, toward, at**
apart	[*]	L. prop. "to **part** from" ()
appeal	[2]	L. v. "to **push** to"
append	[16]	L. v. "to **hang** to"
appendage	[16]	L. n. "to **hang** to" (instance of)
applicate	[25]	L. v. "to **fold** to"
application	[25]	L. n. "to **fold** to" (instance/act of)
apply	[25]	L. v. "to **fold** to"
apportion	[7]	L. n. "to **carry** to" (act of)
apprehend	[12]	L. v. "to **grasp** before/to"
apprehension	[12]	L. n. "to **grasp** before/to" (act/state of)
ascend	[46]	L. v. "to **climb** to"
ascendence	[46]	L. n. "to **climb** to" (instance of)
ascend	[46]	L. n. "to **climb** to" (act of)
ascent	[46]	L. n. "to **climb** to" (instance of)
ascribe	[52]	L. v. "to **write** to"
aspect	[48]	L. n. "to **look** to" (instance of)
asperge	[11]	L. v. "to **scatter** to"
aspersion	[11]	L. n. "to **scatter** to" (instance/act of)
assault	[47]	L. v. "to **leap** to"
assent	[*]	L. v. "to **sense** to"
assert	[*]	L. v. "to **join** to"
assertion	[*]	L. n. "to **join** to" (act/instance of)
assist	[41]	L. v. "to **stand** to"
assistence	[41]	L. n. "to **stand** to" (act/instance of)
assume	[15]	L. v. "to **take** to"
assumption	[15]	L. n. "to **take** to" (instance of)
at[t-]		L. prep. **to, toward, at**
attach	[17]	L. v. "to **touch** to"
attachment	[17]	L. n. "to **touch** to" (state/instance of)
attack	[17]	L. v. "to **touch** to"
attain	[14]	L. v. "to **hold** to"
attainment	[14]	L. n. "to **hold** to" (state/instance of)
attend	[27,14]	L. v. "to **stretch** to, **hold** to"
attendant	[27,14]	L. n. "to **stretch** to, **hold** to" (one of)
attendent	[27,14]	L. prop. "to **stretch** to, **hold** to" (relation)
attendence	[27,14]	L. n. "to **stretch** to, **hold** to" (state/act of)
attention	[27,14]	L. n. "to **stretch** to, **hold** to" (state/instance of)
attract	[5]	L. v. "to **pull/draw** to"
attraction	[5]	L. v. "to **pull/draw** to" (state/instance of)
averse	[22]	L. a. "to **turn** from, away" (relation)
aversion	[22]	L. n. "to **turn** from, away" (state/instance of)
avert	[22]	L. v. "to **turn** from, away"
avocation	[54]	L. n. "to **voice** from" (instance of)
bear	[7,*]	A. v. [port, gest]
bend	[19]	A. v. [flex]
bind	[*]	A. v. [nex,sert]
break	[20]	A. v. [frac,frag]
bring	[8]	A. v. [fer]

build	[33]	A. v. [struct]
building	[33]	A. n. [struct]
call	[56]	A. v. [cit,nom]
capacity	[15]	L. n. "to **take**" (ability)
captain	[15,14]	L. v. "to **take,** to **hold**" (also n. one who)
caption	[15]	L. v. "to **take**" (act of)
captivate	[15]	L. v. "to **take**"
captive	[15]	L. a. "to **take**" (attr. also n. object of)
capture	[15]	L. v. "to **take**"
carry	[7]	A. v. [port]
cease	[42,35]	A. v. [ced,cad]
cede	[42]	L. v. "to **yield**"
choice	[10]	A. v. [lect,lex]
choose	[10]	A. v. [lect,lex]
cite	[56]	L. v. "to **call,** to **name**"
citation	[56]	L. n. "to **call,** to **name**" (instance of)
climb	[46]	A. v. [scend]
close	[40]	A. v. [clud,clus]
closure	[40]	A. v. [clud,clus]
co-		L. prep. **together**, **with**
cognant	[*]	L. v. "to **know**"
cognition	[*]	L. n. "to **know**" (act,state of)
cognizant	[*]	L. v. "to **know**"
coincide	[34,35]	L. v. "to **cut/fall** in, together"
collect	[10]	L. v. "to **gather** together"
collection	[10]	L. n. "to **gather** together" (act/instance of)
college	[10]	L. n. "to **gather** together" (institution)
com-		L. prep. **together**, **with**
come	[43]	A. v. [ven]
commensurate	[50]	L. v. "to **measure** together"
comment	[50]	L. v. "to **measure** together"
commentary	[50]	L. n. "to **measure** together" (instance of)
commission	[58]	L. n. "to **send** together" (act of)
commit	[58]	L. v. "to **send** together"
commitment	[58]	L. n. "to **send** together" (instance of)
commotion	[4]	L. n. "to **move** together" (instance of)
compact	[26]	L. v. "to **press** together"
compaction	[26]	L. n. "to **press** together" (instance/state of)
compare	[*]	L. v. "to **equate** together"
comparison	[*]	L. n. "to **equate** together" (act of)
compartment	[*]	L. n. "to **part** together" (instance of)
compel	[2]	L. v. "to **push** together"
compend	[16]	L. v. "to **hang/weigh** together"
compendium	[16]	L. n. "to **hang/weigh** together" (aggregate of)
compensate	[16]	L. v. "to **hang/weigh** together"
compensation	[16]	L. n. "to **hang/weigh** together" (instance of)
complete	[60]	L. v. "to **fill** together"
completion	[60]	L. n. "to **fill** together" (act/instance of)
complex	[25]	L. v. "to **fold** together"
complexify	[25]	L. v. "to **fold** together"
complexion	[25]	L. n. "to **fold** together" (measure of)
complexity	[25]	L. n. "to **fold** together" (measure of)
complicate	[25]	L. v. "to **fold** together"
complication	[25]	L. n. "to **fold** together" (instance, state of)
comply	[25]	L. v. "to **fold** together"
compliance	[25]	L. n. "to **fold** together" (instance, state of)

component	[3]	L. n. "to **place** together" (object of)
comport	[7]	L. v. "to **carry** together"
compose	[3]	L. v. "to **place** together"
composition	[3]	L. n. "to **place** together" (act/instance of)
comprehend	[12]	L. v. "to **grasp** before**,** together"
comprehension	[12]	L. n. "to **grasp** before**,** together" (act/instance of)
compress	[26]	L. v. "to **press** together"
compression	[26]	L. n. "to **press** together" (act/state of)
compulsion	[2]	L. n. "to **push** together" (act/instance of)
con-		L. prep. **together**, **with**
concede	[42,44]	L. v. "to **yield/go** together"
conceit	[12]	L. n. "to **grasp** together" (state of)
conceive	[12]	L. v. "to **grasp** together"
concept	[12]	L. n. "to **grasp** together" (instance of)
conception	[12]	L. n. "to **grasp** together" (act/state of)
concern	[*]	L. v. "to **part** together"
concession	[42,44]	L. n. "to **yield/go** together" (act/instance of)
concise	[34]	L. a. "to **cut** together" (attr)
conclude	[40]	L. v. "to **close** together"
conclusion	[40]	L. n. "to **close** together" (act/instance of)
conclusiveness	[40]	L. n. "to **close** together" (state of)
concur	[45]	L. v. "to **run** together"
concurrence	[45]	L. n. "to **run** together" (act/instance of)
condescend	[46]	L. v. "to **climb** down, together"
condescendence	[46]	L. n. "to **climb** down, together" (act/state of)
condescension	[46]	L. n. "to **climb** down, together" (act/instance of)
condition	[53]	L. v. "to **speak** together"
conduce	[9]	L. v. "to **lead** together"
conduct	[9]	L. v. "to **lead** together"
conduction	[9]	L. n. "to **lead** together" (state/instance of)
confect	[1]	L. v. "to **do** together"
confection	[1]	L. n. "to **do** together" (instance of)
confer	[8]	L. v. "to **bring** together"
conference	[8]	L. n. "to **bring** together" (act/instance of)
confirm	[33,*]	L. v. "to **make**, **set** together"
confirmation	[33,*]	L. n. "to **make**, **set** together" (act/instance of)
conflict	[18]	L. v. "to **strike** together" (also, n. state of)
confluence	[38]	L. n. "to **flow** together" (state of)
conflux	[38]	L. n. "to **flow** together" (state of)
conform	[33]	L. v. "to **build** together"
conformance	[33]	L. n. "to **build** together" (act/instance of)
conformity	[33]	L. n. "to **build** together" (state of)
congest	[*,7]	L. v. "to **bear/carry** together"
congestion	[*,7]	L. n. "to **bear/carry** together" (state of)
conjecture	[6]	L. n. "to **throw** together" (instance of)
conjunct	[*]	L. v. "to **join** together" (also n. object of)
conjunction	[*]	L. n. "to **join** together" (instance/state of)
connect	[*]	L. v. "to **join** together"
connection	[*]	L. n. "to **join** together" (instance/state of)
conscribe	[52]	L. v. "to **write** together"
conscript	[52]	L. v. "to **write** together" (also n. object of)
conscription	[52]	L. n. "to **write** together" (act of)
consent	[*]	L. v. "to **sense** together" (also n. instance of)
consensus	[*]	L. n. "to **sense** together" (state of)
conserve	[13]	L. v. "to **keep** together"
conservation	[13]	L. n. "to **keep** together" (act/state of)

consist	[41]	L. v. "to **stand** together"
consistency	[41]	L. n. "to **stand** together" (state of)
constant	[*,41]	L. n. "to **set/stand** together" (object of)
constancy	[*,41]	L. n. "to **set/stand** together" (state of)
constituent	[*,41]	L. n. "to **set/stand** together" (object of)
constituency	[*,41]	L. n. "to **set/stand** together" (aggregate of)
constitute	[*,41]	L. v. "to **set/stand** together"
constitution	[*,41]	L. n. "to **set/stand** together" (instance/state of)
constrict	[28]	L. v. "to **tighten** together"
constriction	[28]	L. n. "to **tighten** together" (act/instance of)
construct	[33]	L. v. "to **build** together"
construction	[33]	L. n. "to **build** together" (act/instance of)
construe	[32]	L. v. "to **pile** together"
consult	[47]	L. v. "to **leap** together"
consultant	[47]	L. n. "to **leap** together" (one who)
consultation	[47]	L. n. "to **leap** together" (act/instance of)
consume	[15]	L. v. "to **take** together"
consumption	[15]	L. n. "to **take** together" (act/instance of)
contact	[17]	L. v. "to **touch** together"
contain	[14]	L. v. "to **hold** together"
containment	[14]	L. n. "to **hold** together" (state of)
contend	[14,27]	L. v. "to **hold/stretch** together"
content	[14]	L. n. "to **hold/stretch** together" (object of)
contention	[14,27]	L. n. "to **hold/stretch** together" (instance of)
contentiousness	[14,27]	L. n. "to **hold/stretch** together" (state of)
continence	[14,27]	L. n. "to **hold/stretch** together" (state of)
continent	[14,27]	L. n. "to **hold/stretch** together" (instance of)
continue	[14,27]	L. v. "to **hold/stretch** together"
continuance	[14,27]	L. n. "to **hold/stretch** together" (state/instance of)
continuity	[14,27]	L. n. "to **hold/stretch** together" (state of)
contra-		L. prep. **against**
contraception	[12]	L. n. "to **grasp** against" (act/instance of)
contract	[5]	L. v. "to **pull/draw** together"
contraction	[5]	L. n. "to **pull/draw** together" (act/instance of)
contradict	[53]	L. v. "to **speak** against"
contradiction	[53]	L. n. "to **speak** against" (act/instance of)
contrapose	[3]	L. v. "to **place** against"
contraposition	[3]	L. n. "to **place** against" (act/instance of)
contrast	[*,41]	L. v. "to **set/stand** against" [contra + statuere]
contravene	[43]	L. v. "to **come** against"
contravention	[43]	L. n. "to **come** against" (act/instance of)
controvert	[22]	L. v. "to **turn** against"
controversy	[22]	L. n. "to **turn** against" (instance of)
convene	[43]	L. v. "to **come** together"
convention	[43]	L. n. "to **come** together" (act/instance of)
converse	[22]	L. v. "to **turn** together"
conversation	[22]	L. n. "to **turn** together" (act/instance of)
conversion	[22]	L. n. "to **turn** together" (act/instance of)
convert	[22]	L. v. "to **turn** together" (also n. object of)
convocation	[54]	L. n. "to **voice** together" (act/instance of)
convolve	[23]	L. v. "to **roll** together"
convolution	[23]	L. n. "to **roll** together" (act/instance of)
correct	[30]	L. v. "to **straighten** together"
correction	[30]	L. n. "to **straighten** together" (act/instance of)
correspond	[58,16]	L. v. "to **place, weigh** back, again (together)"
current	[45]	L. n. "to **run**" (instance/state of)

cut	[34]	A. v. [cis,cind]
de-		L. prep. **down**, **from**, **away from**, **without** (not, undo)
deceit	[12]	L. n. "to **grasp** down" (instance of)
deceive	[12]	L. v. "to **grasp** down"
deception	[12]	L. n. "to **grasp** down" (act/instance of)
decelerate	[59]	L. v. "to **raise** down"
deceleration	[59]	L. n. "to **raise** down" (act/instance of)
decide	[34]	L. v. "to **cut** down/from"
decision	[34]	L. n. "to **cut** down/from" (act/instance of)
deduce	[9]	L. v. "to **lead** down"
deduct	[9]	L. v. "to **lead** down"
deduction	[9]	L. n. "to **lead** down" (act/instance of)
deface	[33]	L. v. "to **build/make** down"
defacement	[33]	L. n. "to **build/make** down" (act/instance of)
defect	[1]	L. v. "to **do** down"
defection	[1]	L. n. "to **do** down" (act/instance of)
defend	[18]	L. v. "to **strike** down"
defense	[18]	L. n. "to **strike** down" (act/instance of)
defensiveness	[18]	L. n. "to **strike** down" (state of)
defer	[8]	L. v. "to **bring** down"
deference	[8]	L. n. "to **bring** down" (act/instance of)
deficiency	[33]	L. n. "to **build/make** down" (state/instance of)
deficit	[33]	L. n. "to **build/make** down" (instance of)
deflect	[19]	L. v. "to **bend** down"
deflection	[19]	L. n. "to **bend** down" (act/instance of)
deform	[33]	L. v. "to **build/make** down"
deformity	[33]	L. n. "to **build/make** down" (instance of)
deject	[6]	L. v. "to **throw** down"
dejection	[6]	L. n. "to **throw** down" (instance of)
demote	[4]	L. v. "to **move** down"
demotion	[4]	L. n. "to **move** down" (instance of)
depart	[*]	L. v. "to **part** down"
department	[*]	L. n. "to **part** down" (instance of)
depend	[16]	L. v. "to **hang/weigh** down"
dependency	[16]	L. n. "to **hang/weigh** down" (state of)
dependent	[16]	L. n. "to **hang/weigh** down" (instance/object of)
deplenish	[60]	L. v. "to **fill** down"
deplete	[60]	L. v. "to **fill** down"
depletion	[60]	L. n. "to **fill** down" (act/instance of)
deport	[7]	L. v. "to **carry** down"
deportation	[7]	L. n. "to **carry** down" (act/instance of)
depose	[3]	L. v. "to **place** down"
deposition	[3]	L. n. "to **place** down" (act/instance of)
depress	[26]	L. v. "to **press** down"
depression	[26]	L. n. "to **press** down" (act/instance of)
descend	[46]	L. v. "to **climb** down"
descendence	[46]	L. n. "to **climb** down" (act/instance of)
descendent	[46]	L. n. "to **climb** down" (object of)
descension	[46]	L. n. "to **climb** down" (act/instance of)
descent	[46]	L. n. "to **climb** down" (act/instance of)
describe	[52]	L. v. "to **write** down"
description	[52]	L. n. "to **write** down" (act/instance of)
desert	[*]	L. v. "to **part** down/from"
desertion	[*]	L. n. "to **part** down/from" (act/instance of)
deserve	[13]	L. v. "to **keep** down"
desist	[41]	L. v. "to **stand** down"

despise	[48]	L. v. "to **look** down"
destroy	[33]	L. v. "to **build/make** down"
destruct	[33]	L. v. "to **build/make** down"
destruction	[33]	L. n. "to **build/make** down" (act/instance of)
detach	[17]	L. v. "to **touch** from(not)"
detachment	[17]	L. n. "to **touch** from(not)" (act/instance of)
detain	[14]	L. v. "to **hold** down/from"
detainment	[14]	L. n. "to **hold** down/from" (state of)
detention	[14]	L. n. "to **hold** down/from" (act/instance of)
detract	[5]	L. v. "to **pull** down/from"
detraction	[5]	L. n. "to **pull** down/from" (act/instance of)
develop	[23]	L. v. "to **roll** down/from"
development	[23]	L. n. "to **roll** down/from" (act/instance of)
device	[?]	L. n. "to **????** down/from" (instance of)
devise	[49]	L. v. "to **see** down/from" [?]
devolve	[23]	L. v. "to **roll** down/from"
devolution	[23]	L. n. "to **roll** down/from" (act/instance of)
di, dia		Gr. prep. **across, apart** (L. prep. **trans**)
dialect	[10]	L. n. "to **gather** across"
diameter	[50]	L. n. "to **measure** across"
diction	[53]	L. n. "to **speak, talk**"
direct	[30]	L. v. "to **straighten** across"
direction	[30]	L. n. "to **straighten** across" (instance of)
differ	[8]	L. v. "to **bring** across, apart"
difference	[8]	L. n. "to **bring** across, apart" (instance of)
diffract	[20]	L. v. "to **break** across, apart"
diffraction	[20]	L. n. "to **break** across, apart" (instance of)
digest	[*,7]	L. v. "to **bear** across, apart"
digestion	[*,7]	L. n. "to **bear** across, apart" (instance of)
dimension	[50]	L. v. "to **measure** across, apart" (also n. instance of)
dis		L. prep. **from, away from** (also **not, without, undo**)
discern	[53]	L. v. "to **part** across"
disclose	[40]	L. v. "to **close** from (undo)"
disclosure	[40]	L. n. "to **close** from (undo)" (instance of)
discourse	[45]	L. v. "to **run** from, about" (also n. instance of)
disentangle	[17]	L. v. "to **touch in,** from (undo)"
disentanglement	[17]	L. n. "to **touch in,** from (undo)" (act of)
disjunct	[*]	L. n. "to **join** from (undo)" (object of)
disjunction	[*]	L. n. "to **join** from (undo)" (act/instance of)
dismiss	[58]	L. v. "to **send** from, away"
dismissal	[58]	L. n. "to **send** from, away" (act/instance of)
dispel	[2]	L. v. "to **push** from, away"
dispend	[16]	L. v. "to **hang,weigh** from, away"
dispense	[16]	L. v. "to **hang,weigh** from, away"
dispensation	[16]	L. n. "to **hang,weigh** from, away" (act/instance of)
disperse	[11]	L. v. "to **scatter** from, away"
dispersion	[11]	L. n. "to **scatter** from, away" (act/instance of)
displease	[60]	L. v. "to **fill, calm** from (undo, not)"
displeasure	[60]	L. n. "to **fill, calm** from (undo, not)" (act/instance of)
disposal	[3]	L. n. "to **place** from" (act/instance of)
dispose	[3]	L. v. "to **place** from"
disposition	[3]	L. n. "to **place** from" (act/instance of)
dissent	[*]	L. v. "to **sense** away, not"
dissention	[*]	L. n. "to **sense** away, not" (act/instance of)
disserve	[13]	L. v. "to **keep** away, not"
disservice	[13]	L. n. "to **keep** away, not" (act/instance of)

dissolve	[31]	L. v. "to **solve, wash** across, apart" ("dia-solve")
dissolution	[31]	L. n. "to **solve, wash** across, apart" (act/instance of)
distain	[14]	L. v. "to **hold** from, away"
distance	[*,41]	L. v. "to **set, stand** from, away" (also n. instance of)
distend	[27]	L. v. "to **stretch** from"
distension	[27]	L. n. "to **stretch** from" (act/instance of)
distort	[24]	L. v. "to **twist** from"
distortion	[24]	L. n. "to **twist** from" (act/instance of)
distract	[5]	L. v. "to **pull** from"
distraction	[5]	L. n. "to **pull** from" (act/instance of)
diverse	[22]	L. v. "to **turn** from, apart"
diversion	[22]	L. n. "to **turn** from, apart" (act/instance of)
diversity	[22]	L. n. "to **turn** from, apart" (state of)
divide	[49]	L. v. "to **see** from, apart"
division	[49]	L. n. "to **see** from, apart" (act/instance of)
do	[1]	A. v. [fect, "fx"]
draw	[5]	A. v. [trac]
drive	[2]	A. v. [pel]
e-, ex-		L. prep. **out, outward**
edict	[53]	L. n. "to **speak** out" (instance of)
efface	[33]	L. v. "to **build** out"
effect	[1]	L. v. "to **do** out"
efficate	[33]	L. v. "to **build** out"
efficiency	[33]	L. n. "to **build** out" (state of)
effluent	[38]	L. n. "to **flow** out" (object of)
effluence	[38]	L. n. "to **flow** out" (act/instance of)
eject	[6]	L. v. "to **throw** out"
ejection	[6]	L. n. "to **throw** out" (act/instance of)
elect	[10]	L. v. "to **choose, pick** out"
election	[10]	L. n. "to **choose, pick** out" (act/instance of)
elevate	[59]	L. v. "to **raise** out"
elevation	[59]	L. n. "to **raise** out" (act/measure of)
emission	[58]	L. n. "to **send** out" (act/instance of)
emit	[58]	L. v. "to **send** out"
emote	[4]	L. v. "to **move** out"
emotion	[4]	L. n. "to **move** out" (act/instance of)
en-		A. prep. in, into, within, "make"
encapsulate	[15]	L. v. "to **take** in, within"
encapsulation	[15]	L. n. "to **take** in, within" (instance of)
enclose	[40]	L. v. "to **close** in"
enclosure	[40]	L. n. "to **close** in" (instance of)
enlarge	[*]	A. v. [magn]
entangle	[17]	L. v. "to **touch** in"
entanglement	[17]	L. n. "to **touch** in" (instance of)
enter-		A. prep. in, into, between
entertain	[14]	L. v. "to **hold** in, between"
entertainment	[14]	L. n. "to **hold** in, between" (instance of)
envelop	[23]	L. v. "to **roll** in"
envelope	[23]	L. n. "to **roll** in" (instance of)
envision	[49]	L. n. "to **see** in"
erect	[30]	L. v. "to **straighten** out"
erection	[30]	L. n. "to **straighten** out" (instance of)
escape	[15]	L. v. "to **take** out, away" (be free of)
espy	[48]	L. v. "to **look** out"
essense	[*]	L. n. "to **sense** in, within" (instance of)
evade	[44]	L. v. "to **go** out (away from)"

evasion	[44]	L. n. "to **go** out (away from)" (act/instance of)
event	[43]	L. n. "to **come** out" (instance of)
evidence	[49]	L. n. "to **see** out" (instance of)
evoke	[54]	L. v. "to **voice** out"
evolve	[23]	L. v. "to **roll** out"
evolution	[23]	L. n. "to **roll** out" (instance of)
ex-		L. prep. **out, outward** (also **beyond, past**)
exceed	[42]	L. v. "to **yield** out (beyond)"
except	[12]	L. v. "to **grasp** out"
exception	[12]	L. n. "to **grasp** out" (instance of)
excel	[59]	L. v. "to **raise** out, beyond"
excellence	[59]	L. n. "to **raise** out, beyond" (instance of)
excise	[34]	L. v. "to **cut** out"
excision	[34]	L. n. "to **cut** out" (instance of)
excite	[56]	L. v. "to **call** out"
excitement	[56]	L. n. "to **call** out" (state of)
exclude	[40]	L. v. "to **close** out, without"
exclusion	[40]	L. n. "to **close** out, without" (state of)
excursion	[45]	L. n. "to **run** out" (instance of)
exert	[*]	L. v. "to **join** out, beyond"
exertion	[*]	L. n. "to **join** out, beyond " (instance of)
exist	[41]	L. v. "to **stand** out"
existence	[41]	L. n. "to **stand** out" (state of)
expand	[*]	L. v. "to **spread** out"
expansion	[*]	L. n. "to **spread** out" (instance of)
expect	[48]	L. v. "to **look** out"
expectation	[48]	L. n. "to **look** out" (instance of)
expel	[2]	L. v. "to **push** out"
expend	[16]	L. v. "to **hang/weigh** out"
expense	[16]	L. n. "to **hang/weigh** out" (instance of)
expert	[*]	L. n. "to **try, strive** out" (one who)
explicate	[25]	L. v. "to **fold** out (undo)"
exponent	[3]	L. n. "to **place** out" (object of)
export	[7]	L. v. "to **carry** out"
exportation	[7]	L. n. "to **carry** out" (act/instance of)
expound	[3]	L. v. "to **place, put** out"
expose	[3]	L. v. "to **place** out"
exposition	[3]	L. n. "to **place** out" (act/instance of)
express	[26]	L. v. "to **press** out"
expression	[26]	L. n. "to **press** out" (act/instance of)
expulsion	[2]	L. n. "to **push** out" (act/instance of)
extant	[41,*]	L. a. "to **stand, set** out" (attr)
extend	[27]	L. v. "to **stretch** out"
extension	[27]	L. n. "to **stretch** out" (act/instance of)
extenuate	[27]	L. v. "to **stretch** out"
extort	[24]	L. v. "to **twist** out"
extortion	[24]	L. n. "to **twist** out" (act/instance of)
extract	[5]	L. v. "to **pull** out"
extraction	[5]	L. n. "to **pull** out" (act/instance of)
extrovert	[22]	L. n. "to **turn** out" (one who)
extroversion	[22]	L. n. "to **turn** out" (act/instance of)
exult	[47]	L. v. "to **leap** out"
exultation	[47]	L. n. "to **leap** out" (act/instance of)
fabric	[33]	L. n. "to **make, build**" (object of)
fabricate	[33]	L. v. "to **make, build**"
factor	[33]	L. n. "to **make, build**" (object of)

factory	[33]	L. n. "to **make, build**" (facility)
fill	[60]	A. v. [plen,plet]
firm	[33,*]	L. v. "to **make, set**"
fix	[*,14]	L. v. "to **set, hold**"
fixate	[*,14]	L. v. "to **set, hold**"
fixation	[*,14]	L. n. "to **set, hold**" (act/instance of)
fixture	[*,14]	L. n. "to **set, hold**" (object of)
flex	[19]	L. v. "to **bend**"
flow	[38]	A. v. [fluer]
fluid	[38]	A. n. [fluer] (instance of, also a. attr)
fold	[25]	A. v. [plex,plic]
form	[33,*]	L. v. "to **make, shape**"
fracture	[20]	L. v. "to **break**"
gather	[10]	A. v. [lect,lege,lex]
gestate	[*]	L. v. "to **bear**"
gestation	[*]	L. v. "to **bear**" (act/instance of)
gesture	[*]	L. v. "to **bear**" (act/instance of)
go	[44]	A. v. [vad]
grab	[12]	A. v. [cept,cev]
grasp	[12]	A. v. [cept,cev]
grip	[12]	A. v. [cept,cev]
hang	[16]	A. v. [pend,pond]
hold	[14]	A. v. [tain]
im-,in-		L. prep. **in**, **into** (also **not**, **without**, **away from, beyond**)
immense	[50]	L. a. "to **measure** not, without" (attr)
immensity	[50]	L. n. "to **measure** not, without" (instance of)
immobilize	[4]	L. v. "to **move** not, without"
immobility	[4]	L. n. "to **move** not, without" (state of)
immutable	[21]	L. n. "to **change** not, without" (attr)
impact	[26]	L. v. "to **press** in" (also n. instance of)
impart	[*]	L. v. "to **part** in"
impel	[2]	L. v. "to **push** in"
impend	[16]	L. v. "to **hang** in"
impertinence	[14]	L. n. "to **hold** not, without" (act/state of)
implicate	[25]	L. v. "to **fold** in"
implication	[25]	L. n. "to **fold** in" (act/instance of)
imply	[25]	L. v. "to **fold** in"
import	[7]	L. v. "to **carry** in"
importation	[7]	L. n. "to **carry** in" (act/instance of)
importance	[7]	L. n. "to **carry** in" (state of)
impose	[3]	L. v. "to **place** in"
imposition	[3]	L. n. "to **place** in" (act/instance of)
impress	[26]	L. v. "to **press** in"
impression	[26]	L. n. "to **press** in" (act/instance of)
impulse	[2]	L. n. "to **push** in" (act/instance of)
in-		L. prep. **in**, **into** (also **not**, **without**, **away from, beyond**)
incapacitate	[15]	L. v. "to **take** not, without"
incapacity	[15]	L. n. "to **take** not, without" (state of)
inception	[12]	L. n. "to **grasp** in" (instance of)
incidence	[34]	L. n. "to **cut** in" (instance of)
incident	[34]	L. n. "to **cut** in" (instance of)
incision	[34]	L. n. "to **cut** in" (instance of)
incite	[56]	L. v. "to **call** in"
incitement	[56]	L. n. "to **call** in" (act/instance of)
include	[40]	L. v. "to **close** in"
inclusion	[40]	L. n. "to **close** in" (act/instance of)

incognito	[*]	L. n. "to **know** not, without" (object of)
incur	[45]	L. v. "to **run** in, into"
incursion	[45]	L. n. "to **run** in, into" (act/instance of)
indict	[53]	L. v. "to **speak** in"
indictment	[53]	L. n. "to **speak** in" (act/instance of)
indigestion	[*]	L. n. "to **bear** across, not (without)" (act/instance of)
induce	[9]	L. v. "to **lead** in"
inducement	[9]	L. n. "to **lead** in" (object of)
induct	[9]	L. v. "to **lead** in"
induction	[9]	L. n. "to **lead** in" (act/instance of)
infect	[1]	L. v. "to **do** in"
infection	[1]	L. n. "to **do** in" (act/instance of)
infer	[8]	L. v. "to **bring** in"
inference	[8]	L. n. "to **bring** in" (act/instance of)
infirm	[33,*]	L. v. "to **make**, **set** (not, undo)"
infirmity	[33,*]	L. n. "to **make**, **set** (not, undo)" (state of)
inflect	[19]	L. v. "to **bend** in"
inflection	[19]	L. n. "to **bend** in" (act/instance of)
inflict	[18]	L. v. "to **strike** in"
infliction	[18]	L. n. "to **strike** in" (act/instance of)
influence	[38]	L. v. "to **flow** in" (also n. act/instance of)
influx	[38]	L. n. "to **flow** in" (instance of)
inform	[33,*]	L. v. "to **make, shape** in"
information	[33,*]	L. n. "to **make, shape** in" (instance of)
infraction	[20]	L. n. "to **break** in" (instance of)
ingest	[*]	L. v. "to **bear** in"
ingestion	[*]	L. n. "to **bear** in" (act/instance of)
inject	[6]	L. v. "to **throw** in"
injection	[6]	L. n. "to **throw** in" (act/instance of)
inscribe	[52]	L. v. "to **write** in"
inscription	[52]	L. n. "to **write** in" (act/instance of)
insensitivity	[*]	L. n. "to **sense** not, without" (state of)
insert	[*]	L. v. "to **join** in"
insertion	[*]	L. n. "to **join** in" (act/instance of)
insist	[41]	L. v. "to **stand** in"
insistence	[41]	L. n. "to **stand** in" (act/instance of)
inspect	[48]	L. v. "to **look** in"
inspection	[48]	L. n. "to **look** in" (act/instance of)
instance	[41,*]	L. n. "to **stand, set** in" (instance of)
instant	[41,*]	L. n. "to **stand, set** in" (object of)
instantiate	[41,*]	L. v. "to **stand, set** in"
instruct	[33]	L. v. "to **build** in"
instruction	[33]	L. n. "to **build** in" (act/instance of)
insult	[47]	L. v. "to **leap** in"
intact	[17]	L. a. "to **touch** in" (attr)
intangibility	[17]	L. n. "to **touch** not, without" (state of)
intellect	[10]	L. n. "to **choose, gather** between" (act of)
intelligence	[10]	L. n. "to **choose, gather** between" (state of)
intend	[27]	L. v. "to **stretch** in"
intention	[27]	L. n. "to **stretch** in" (instance of)
inter-		L. prep. **between**
intercede	[42]	L. v. "to **yield** between"
intercession	[42]	L. n. "to **yield** between" (act/instance of)
intercept	[12]	L. v. "to **grasp** between"
interception	[12]	L. n. "to **grasp** between" (act/instance of)
interdict	[53]	L. v. "to **speak** between"

interdiction	[53]	L. n. "to **speak** between" (act/instance of)
interface	[33]	L. v. "to **make, form** between" (also n. instance of)
interfere	[8]	L. v. "to **bring** between"
interference	[8]	L. n. "to **bring** between" (act/instance of)
interject	[6]	L. v. "to **throw** between"
intermission	[58]	L. n. "to **send** between" (instance of)
interpose	[3]	L. v. "to **place** between"
interpolate	[3]	L. v. "to **place** between"
interpolation	[3]	L. n. "to **place** between" (act/instance of)
intervene	[43]	L. v. "to **come** between"
intervention	[43]	L. n. "to **come** between" (act/instance of)
interview	[49]	L. v. "to **see** between" (also n. act/instance of)
intractible	[5]	L. a. "to **pull** not, without" (attr)
introduce	[9]	L. v. "to **lead** between"
introduction	[9]	L. n. "to **lead** between" (act/instance of)
introvert	[9]	L. v. "to **turn** between, within"
introversion	[9]	L. n. "to **turn** between, within" (act/instance of)
invade	[44]	L. v. "to **go** in"
invasion	[44]	L. n. "to **go** in" (act/instance of)
invent	[43]	L. v. "to **come** in"
invention	[43]	L. n. "to **come** in" (act/instance of)
inverse	[22]	L. n. "to **turn** in" (act/instance of)
inversion	[22]	L. n. "to **turn** in" (act/instance of)
invert	[22]	L. v. "to **turn** in"
invocation	[54]	L. n. "to **voice** in" (act/instance of)
invoice	[54]	L. n. "to **voice** in" (object of)
invoke	[54]	L. v. "to **voice** in"
involve	[23]	L. v. "to **roll** in"
involvement	[23]	L. n. "to **roll** in" (act/instance of)
involution	[23]	L. n. "to **roll** in" (act/instance of)
join	[*]	A. v. [nect,sert]
judge	[51]	A. v. [jud]
judgement	[51]	A. n. [jud]
lead	[9]	A. v. [duct]
leap	[47]	A. v. [sult]
lecture	[10]	L. v. "to **gather, choose** in" (also n. act/instance of)
look	[48]	A. v. [spect]
loosen	[29]	A. v. [lax,lease]
make	[33]	A. v. [struct,fab,fac]
magnify	[*]	L. v. "to **enlarge**" (also n. act/instance of)
magnification	[*]	L. v. "to **enlarge**" (act/instance of)
measure	[50]	A. v. [mens,ment] (also n. instance of)
mental	[50]	L. a. "**measure**-like"
mentality	[50]	L. n. "**measure**-like" (quality of)
missile	[58]	L. n. "**send**-able" (object of)
missive	[58]	L. n. "**send**-able" (object of)
mobility	[4]	L. n. "**move**-able" (quality of)
motion	[4]	L. n. "**move**-ness" (act/instance of)
move	[4]	A. v. [mob,mot] (also n. instance of)
movement	[4]	A. n. [mob,mot] (also n. instance of)
mutate	[21]	L. v. "**change**"
mutation	[21]	L. n. "**change**" (act/instance of)
name	[56]	A. v. [cite,nomen]
nominate	[56]	A. v. [cite,nomen]
nomination	[56]	A. n. [cite,nomen]
o-		L. prep. **not, without**

ob-,oc-,of-,op-		L. prep. **to, toward, at**
object	[6]	L. v. "to **throw** to" (also n. act/instance of)
objection	[6]	L. n. "to **throw** to" (act/instance of)
objective	[6]	L. n. "to **throw** to" (act/instance of)
observe	[31]	L. v. "to **keep** to"
observance	[31]	L. n. "to **keep** to" (act/instance of)
observation	[31]	L. n. "to **keep** to" (act/instance of)
obstinence	[14,41]	L. n. "to **hold, stand** to" (state of)
obstruct	[33]	L. v. "to **build** to"
obstruction	[33]	L. n. "to **build** to" (act/instance of)
obtain	[14]	L. v. "to **hold** to"
obtainment	[14]	L. n. "to **hold** to" (act/instance of)
obverse	[22]	L. n. "to **turn** to" (object of)
occlude	[40]	L. v. "to **close** to"
occlusion	[40]	L. n. "to **close** to" (act/instance of)
occur	[45]	L. v. "to **run** to"
occurrence	[45]	L. n. "to **run** to" (act/instance of)
offend	[18]	L. v. "to **strike** to"
offense	[18]	L. n. "to **strike** to" (act/instance of)
offensiveness	[18]	L. n. "to **strike** to" (state of)
offer	[8]	L. v. "to **bring** to"
offering	[8]	L. n. "to **bring** to" (act/instance of)
office	[33]	L. n. "to **build** to" (object of)
official	[33]	L. n. "to **build** to" (one who)
officiate	[33]	L. v. "to **build** to"
omission	[58]	L. n. "to **send** not, without" (act/instance of)
omit	[58]	L. v. "to **send** not, without"
opponent	[3]	L. n. "to **place** to, toward" (one who)
opportunity	[7]	L. n. "to **carry** to, toward" (instance of)
oppose	[3]	L. v. "to **place** to, toward"
opposition	[3]	L. n. "to **place** to, toward" (act/instance of)
oppress	[26]	L. v. "to **press** to, toward"
oppression	[26]	L. n. "to **press** to, toward" (act/instance of)
pack	[26]	A. v. [pact]
par	[*]	L. a. "equal"
part	[*]	A. v. [cern,se,sev]
per-, pur-		L. prep. **through, throughout**
perceive	[12]	L. v. "to **grasp** through"
perception	[12]	L. n. "to **grasp** through" (act/instance of)
perceptiveness	[12]	L. n. "to **grasp** through" (state of)
perfect	[1]	L. v. "to **do** through"
perfection	[1]	L. n. "to **do** through" (act/instance of)
perform	[33]	L. v. "to **build, make** through"
performance	[33]	L. n. "to **build, make** through" (act/instance of)
perjury	[51,?]	L. n. "to **judge** through" (act/instance of)
permission	[58]	L. n. "to **send** through" (act/instance of)
permit	[58]	L. v. "to **send** through"
permutation	[21]	L. n. "to **change** through" (act/instance of)
permute	[21]	L. v. "to **change** through"
perplex	[25]	L. v. "to **fold** through"
persist	[41]	L. v. "to **stand** through"
persistence	[41]	L. n. "to **stand** through" (state of)
perspective	[48]	L. n. "to **look** through" (instance of)
pertain	[14]	L. v. "to **hold** through"
pertinence	[14]	L. n. "to **stand** through" (state of)
pervade	[44]	L. v. "to **go** through"

pervasiveness	[44]	L. n. "to **go** through" (quality of)
perversion	[22]	L. n. "to **turn** through" (act/instance of)
perversity	[22]	L. n. "to **turn** through" (quality of)
pervert	[22]	L. v. "to **turn** through"
pick	[10]	A. v. [lect,lex]
pile	[32]	A. v. [strue]
place	[3]	A. v. [pos,pon]
placement	[3]	A. n. [pos,pon] (act/instance of)
please	[60]	L. v. "to **fill**"
pleasure	[60]	L. n. "to **fill**" (act/instance of)
plenty	[60]	L. n. "to **fill**" (measure of)
ply	[25]	L. v. "to **fold**"
portend	[27]	L. v. "to **stretch** for"
portention	[27]	L. v. "to **stretch** for" (act/instance of)
pose	[3]	L. v. "to **place, put**" (also **loc**)
position	[3]	L. v. "to **place, put**" (act/instance of)
pour	[37]	A. v. [pluer]
pre-		L. prep. **before**
preceed	[42]	L. v. "to **yield, go** before"
precept	[12]	L. n. "to **grasp** before" (object of)
precession	[42]	L. n. "to **yield, go** before" (act/instance of)
precise	[34]	L. a. "to **cut** before" (attr)
precision	[34]	L. n. "to **cut** before" (act/instance of)
preclude	[40]	L. v. "to **close** before"
preclusion	[40]	L. n. "to **close** before" (act/instance of)
precognition	[*]	L. n. "to **know** before" (act/instance of)
precursor	[45]	L. n. "to **run** before" (object of)
predict	[53]	L. v. "to **speak** before"
prediction	[53]	L. n. "to **speak** before" (act/instance of)
prefabricate	[33]	L. v. "to **build, make** before"
prefabrication	[33]	L. n. "to **build, make** before" (act/instance of)
preface	[33]	L. v. "to **build, make** before" (also n. act/instance of)
prefer	[8]	L. v. "to **bring** before"
preference	[8]	L. n. "to **bring** before" (act/instance of)
prefix	[*,33]	L. v. "to **set, make** before"
preform	[33]	L. v. "to **build, make** before"
prejudge	[51]	L. v. "to **judge** before"
prejudice	[51]	L. n. "to **judge** before" (act/instance of)
premise	[58]	L. v. "to **send** before" (also n. instance of)
preposition	[3]	L. n. "to **place** before" (act/instance of)
prescribe	[52]	L. v. "to **write** before"
prescription	[52]	L. n. "to **write** before" (act/instance of)
present	[*]	L. v. "to **sense** before" (also n. act/instance of)
presentience	[*]	L. n. "to **sense** before" (ability)
preserve	[31]	L. v. "to **keep** before" (also n. instance of)
preservation	[31]	L. n. "to **sense** before" (act/instance of)
press	[26]	A. v. [pact]
pressure	[26]	A. v. [pact] (act/instance of)
presume	[15]	L. v. "to **take, seize** before"
presumption	[15]	L. n. "to **take, seize** before" (act/instance of)
pretend	[27]	L. v. "to **stretch** before"
pretention	[27]	L. n. "to **stretch** before" (act/instance of)
prevent	[43]	L. v. "to **come** before"
prevention	[43]	L. n. "to **come** before" (act/instance of)
preview	[49]	L. n. "to **see** before" (also n. act/instance of)
pro-		L. prep. **for, forward** (sometimes implies **purpose**)

proceed	[42]	L. v. "to **yield, go** for, forward "
process	[42]	L. v. "to **yield, go** for, forward " (also n. act/instance of)
procession	[42]	L. n. "to **yield, go** for, forward " (act/instance of)
produce	[9]	L. v. "to **lead** for, forward " (also n. object of)
product	[9]	L. n. "to **lead** for, forward " (object of)
production	[9]	L. n. "to **lead** for, forward " (act/instance of)
profer	[8]	L. v. "to **bring** for, forward "
proffering	[8]	L. n. "to **bring** for, forward " (act/instance of)
proficiency	[33]	L. n. "to **build, make** for" (quality of)
prognosticate	[*]	L. v. "to **know** for"
prognostication	[*]	L. n. "to **know** for" (act/instance of)
project	[6]	L. v. "to **throw** for, forward "
projectile	[6]	L. n. "to **throw** for, forward " (object of)
projection	[6]	L. n. "to **throw** for, forward " (act/instance of)
promise	[58]	L. v. "to **send** for, forward" (also n. instance of)
promote	[4]	L. v. "to **move** for, forward"
promotion	[4]	L. n. "to **move** for, forward" (act/instance of)
propel	[2]	L. v. "to **push** for, forward"
propensity	[16]	L. n. "to **hang** for, forward" (quality of)
proponent	[3]	L. n. "to **place** for, forward" (one who)
proportion	[7]	L. v. "to **carry** for, forward" (also n. object of)
proposal	[3]	L. n. "to **place** for, forward" (instance/object of)
propose	[3]	L. v. "to **place** for, forward"
proposition	[3]	L. n. "to **place** for, forward" (act/instance of)
propulsion	[2]	L. n. "to **push** for, forward" (act/instance of)
proscribe	[52]	L. v. "to **write** for, forward"
proscription	[52]	L. n. "to **write** for, forward" (act/instance of)
prospect	[48]	L. v. "to **look** for, forward" (also n. instance of)
protract	[5]	L. v. "to **pull** for, forward"
provide	[49]	L. v. "to **see** for, forward"
provision	[49]	L. n. "to **see** for, forward" (act/instance of)
provocation	[54]	L. n. "to **speak** for, forward" (act/instance of)
provoke	[54]	L. v. "to **speak** for, forward"
pull	[5]	A. v. [tract]
purport	[7]	L. v. "to **carry** through, throughout"
purpose	[3]	L. n. "to **place** through, throughout" (instance of)
purview	[49]	L. v. "to **see** through, throughout"
push	[2]	A. v. [pel]
put	[3]	A. v. [pon,pos,loc]
raise	[59]	A. v. [cel,lev]
re-		L. prep. **back, again** (sometimes implies **undo**)
recap	[15]	L. v. "to **take** back, again"
recapture	[15]	L. v. "to **take** back, again"
recede	[42]	L. v. "to **yield** back, again"
receipt	[12]	L. n. "to **grasp** back, again" (act/instance of)
receive	[12]	L. v. "to **grasp** back, again"
reception	[12]	L. n. "to **grasp** back, again" (act/instance of)
recess	[42]	L. v. "to **yield** back, again" (also n. instance of)
recession	[42]	L. n. "to **yield** back, again" (act/instance of)
recision	[34]	L. v. "to **cut** back, again" (act/instance of)
recital	[56]	L. n. "to **call** back, again" (act/instance of)
recite	[56]	L. v. "to **call** back, again"
recitation	[56]	L. n. "to **call** back, again" (act/instance of)
reclusion	[40]	L. n. "to **close** back, again" (act/instance of)
recognize	[*]	L. v. "to **know** back, again"
recognition	[*]	L. n. "to **know** back, again" (act/instance of)

rectify	[30]	L. v. "to **straighten, right**"
recur	[45]	L. v. "to **run** back, again"
recurrence	[45]	L. n. "to **run** back, again" (act/instance of)
reduce	[9]	L. v. "to **lead** back, again"
reduction	[9]	L. n. "to **lead** back, again" (act/instance of)
refer	[8]	L. v. "to **bring** back, again"
reference	[8]	L. n. "to **bring** back, again" (act/instance of)
reflect	[19]	L. v. "to **bend** back, again"
reflection	[19]	L. n. "to **bend** back, again" (act/instance of)
reflex	[19]	L. n. "to **bend** back, again" (act/instance of)
reflux	[38]	L. n. "to **flow** back, again" (act/instance of)
reform	[33]	L. v. "to **build, make** back, again"
reformation	[33]	L. n. "to **build, make** back, again" (act/instance of)
refract	[20]	L. v. "to **break** back, again"
refraction	[20]	L. n. "to **break** back, again" (act/instance of)
reject	[6]	L. v. "to **throw** back, again"
rejection	[6]	L. n. "to **throw** back, again" (act/instance of)
relax	[29]	L. v. "to **loosen** back, again"
relaxation	[29]	L. n. "to **loosen** back, again" (act/instance of)
release	[29]	L. v. "to **loosen** back, again" (also n. act/instance of)
remission	[58]	L. n. "to **send** back, again" (act/instance of)
remit	[58]	L. v. "to **send** back, again"
remittance	[58]	L. n. "to **send** back, again" (act/instance of)
remote	[4]	L. a. "to **move** back, again" (attr)
remove	[4]	L. v. "to **move** back, again"
removal	[4]	L. n. "to **move** back, again" (act/instance of)
rendition	[53]	L. n. "to **speak** back, again" (act/instance of)
repeal	[2]	L. v. "to **push** back, again"
repel	[2]	L. v. "to **push** back, again"
replenish	[60]	L. v. "to **fill** back, again"
replenishment	[60]	L. n. "to **fill** back, again" (act/instance of)
replica	[25]	L. n. "to **fold** back, again" (object of)
replicate	[25]	L. v. "to **fold** back, again"
replication	[25]	L. n. "to **fold** back, again" (act/instance of)
reply	[25]	L. v. "to **fold** back, again"
report	[7]	L. v. "to **carry** back, again" (also n. instance of)
repose	[3]	L. n. "to **place** back, again" (state of)
reposition	[3]	L. v. "to **place** back, again"
repress	[26]	L. v. "to **press** back, again"
repression	[26]	L. n. "to **press** back, again" (act/instance of)
repulsion	[2]	L. n. "to **push** back, again" (act/instance of)
rescind	[34]	L. v. "to **cut** back, again"
resent	[*]	L. v. "to **sense** back, again"
resentment	[*]	L. n. "to **sense** back, again" (state of)
reserve	[14]	L. v. "to **keep** back, again"
reservation	[14]	L. n. "to **keep** back, again" (act/instance of)
resist	[41]	L. v. "to **stand** back, again"
resistence	[41]	L. n. "to **stand** back, again" (act/instance of)
resolve	[31]	L. v. "to **solve, wash** back, again"
resolution	[31]	L. n. "to **solve, wash** back, again" (act/instance of)
respect	[48]	L. v. "to **look** back, again" (also n. act/instance of)
respond	[58,16]	L. v. "to **place, weigh** back, again"
restrict	[28]	L. v. "to **tighten** back, again"
restriction	[28]	L. n. "to **tighten** back, again" (act/instance of)
restructure	[33]	L. v. "to **build, make** back, again"
result	[47]	L. n. "to **leap** back, again" (object of)

resume	[15]	L. v. "to **take** back, again"
resumption	[15]	L. n. "to **take** back, again" (act/instance of)
retain	[13]	L. v. "to **hold** back, again"
retention	[13]	L. n. "to **hold** back, again" (act/instance of)
retort	[24]	L. v. "to **twist** back, again"
retract	[5]	L. v. "to **pull** back, again"
retraction	[5]	L. n. "to **pull** back, again" (act/instance of)
reverse	[22]	L. v. "to **turn** back, again"
reversion	[22]	L. n. "to **turn** back, again" (act/instance of)
revert	[22]	L. v. "to **turn** back, again"
revise	[49]	L. v. "to **see** back, again"
revision	[49]	L. n. "to **see** back, again" (act/instance of)
revocation	[54]	L. n. "to **speak** back, again" (act/instance of)
revoke	[54]	L. v. "to **speak** back, again"
revolve	[23]	L. v. "to **roll** back, again"
revolution	[23]	L. n. "to **roll** back, again" (act/instance of)
right	[30]	A. v. [rect]
roll	[23]	A. v. [volv]
rotate	[23]	L. v. "to **roll**"
rotation	[23]	L. n. "to **roll**" (act/instance of)
run	[45]	A. v. [cur]
scatter	[11]	A. v. [sperg,spers]
se-		L. prep. **apart, away from**
secede	[42]	L. v. "to **yield** apart"
secession	[42]	L. n. "to **yield** apart" (act/instance of)
seclude	[40]	L. v. "to **close** apart"
seclusion	[40]	L. n. "to **close** apart" (act/instance of)
seduce	[9]	L. v. "to **lead** apart"
seduction	[9]	L. n. "to **lead** apart" (act/instance of)
see	[49]	A. v. [vid,vis]
seek	[48]	A. v. [spect]
seize	[12]	A. v. [cept,cev]
seizure	[12]	A. n. [cept,cev]
select	[10]	L. v. "to **gather, choose** apart"
selection	[10]	L. n. "to **gather, choose** apart" (act/instance of)
sever	[22]	L. v. "to **part, (turn)** apart"
severence	[22]	L. n. "to **part, (turn)** apart" (act/instance of)
send	[58]	A. v. [mis,mit]
sensation	[*]	L. n. "to **sense**" (act/instance of)
sense	[*]	L. v. "to **sense**" (awareness, feeling)
sensitivity	[*]	L. n. "to **sense**" (measure of)
sentience	[*]	L. n. "to **sense**" (state of)
serve	[14]	L. v. "to **keep**, **maintain**"
service	[14]	L. v. "to **keep**, **maintain**" (also n. act/instance of)
solve	[31]	L. v. "to **solve, wash**"
solution	[31]	L. v. "to **solve, wash**" (also n. act/instance of)
speak	[53]	A. v. [dict]
spectacle	[48]	L. n. "to **look**" (object of)
speech	[53]	A. n. [dict] (act/instance of)
spread	[*]	A. v. [pan,pand]
stance	[41,*]	A. n. [sist,stat] (act/instance of)
stand	[41,*]	A. v. [sist,stat]
standard	[41,*]	A. n. [sist,stat] (act/instance of)
straighten	[30]	A. v. [rect]
stretch	[27]	A. v. [tend,tens]
strike	[18]	A. v. [flict,fend]

strew	[32]	A. v. [strue]
structure	[33]	L. v. "to **build, make**" (also n. act/instance of)
sub-, suf-		L. prep. **under, below, beneath**
subduct	[9]	L. v. "to **lead** under"
subduction	[9]	L. n. "to **lead** under" (act/instance of)
subject	[6]	L. v. "to **throw** under" (also n. object of)
submission	[58]	L. n. "to **send** under" (act/instance of)
submit	[58]	L. v. "to **send** under"
subscribe	[52]	L. v. "to **write** under"
subscript	[52]	L. n. "to **write** under" (object of)
subscription	[52]	L. n. "to **write** under" (act/instance of)
subservience	[14]	L. n. "to **keep** under" (state of)
subsist	[41]	L. v. "to **stand** under"
subsistence	[41]	L. n. "to **stand** under" (act/instance of)
substance	[41,*]	L. n. "to **stand, set** under" (object of)
substantial	[41,*]	L. a. "to **stand, set** under" (attr)
substructure	[33]	L. n. "to **build** under" (instance of)
subsume	[15]	L. v. "to **take** under"
subtend	[27]	L. v. "to **stretch** under"
subtract	[5]	L. v. "to **pull** under"
subtraction	[5]	L. n. "to **pull** under" (act/instance of)
subversion	[22]	L. n. "to **turn** under" (act/instance of)
subvert	[22]	L. v. "to **turn** under"
su-, suc-		L. prep. **over, above, beyond**
succeed	[42]	L. v. "to **yield** over, above"
success	[42]	L. n. "to **yield** over, above" (instance of)
succession	[42]	L. n. "to **yield** over, above" (act/instance of)
suf-, sup-, sus-		L. prep. **under, below, beneath**
suffer	[8]	L. v. "to **bring** under"
suffering	[8]	L. n. "to **bring** under" (state of)
suffice	[33]	L. v. "to **build, make** under"
sufficiency	[33]	L. n. "to **build, make** under" (state of)
suggest	[*,7]	L. v. "to **bear, carry** under"
suggestion	[*,7]	L. n. "to **bear, carry** under" (act/instance of)
supercede	[42]	L. v. "to **yield** over, above"
superfluid	[38]	L. n. "to **flow** over, above" (instance of)
superimpose	[3]	L. v. "to **place** in**,** over, above"
superpose	[3]	L. v. "to **place** over, above"
superposition	[3]	L. n. "to **place** over, above" (act/instance of)
superscript	[52]	L. n. "to **write** over, above" (act/instance of)
superstructure	[33]	L. n. "to **over** over, above" (instance of)
supervise	[49]	L. v. "to **see** over, above"
supervision	[49]	L. n. "to **see** over, above" (act/instance of)
supplicate	[25]	L. v. "to **fold** under"
supplication	[25]	L. n. "to **fold** under" (act/instance of)
supply	[60,25]	L. v. "to **fill, fold** under" (also n. act/instance of)
support	[7]	L. v. "to **carry** under" (also n. act/instance of)
suppose	[3]	L. v. "to **place** under"
supposition	[3]	L. n. "to **place** under" (act/instance of)
suppress	[26]	L. v. "to **press** under"
suppression	[26]	L. n. "to **press** under" (act/instance of)
surface	[33]	L. n. "to **build, make** above" (also n. instance of)
susceptible	[12,15]	L. a. "to **grasp, take** under" (attr)
suspect	[48]	L. v. "to **look, seek** under" (also n. object of)
suspicion	[48]	L. n. "to **look, seek** under" (act/instance of)
suspend	[16]	L. v. "to **hang** under"

suspense	[16]	L. n. "to **hang** under" (state of)
suspension	[16]	L. n. "to **hang** under" (act/instance of)
sustain	[13]	L. v. "to **hold** under"
sustainment	[13]	L. n. "to **hold** under" (state of)
sustinence	[13]	L. n. "to **hold** under" (act/instance of)
tack	[17]	L. v. "to **touch**"
tact	[17]	L. n. "to **touch**" (quality of)
take	[15]	A. v. [cap,sume]
talk	[53]	A. v. [dict]
tangency	[17]	L. n. "to **touch**" (state of)
tangent	[17]	L. n. "to **touch**" (quality of)
tangle	[17]	L. v. "to **touch**" (quality of)
tense	[27]	L. v. "to **stretch**"
tension	[27]	L. n. "to **stretch**" (state of)
throw	[6]	A. v. [ject]
torsion	[27]	L. n. "to **twist**" (state of)
torture	[27]	L. v. "to **twist**"
touch	[17]	A. v. [tact]
trans		L. prep. **across**
transceive	[12]	L. v. "to **grasp** across"
transcend	[46]	L. v. "to **climb** across"
transcendence	[46]	L. n. "to **climb** across" (act/state of)
transcribe	[52]	L. v. "to **write** across"
transcript	[52]	L. n. "to **write** across" (instance of)
transcription	[52]	L. n. "to **write** across" (act/instance of)
transduce	[9]	L. v. "to **lead** across"
transduction	[9]	L. n. "to **lead** across" (act/instance of)
transfer	[8]	L. v. "to **bring** across" (also n. instance of)
transference	[8]	L. n. "to **bring** across" (act/instance of)
transfix	[*,33]	L. v. "to **set, build** across"
transform	[33]	L. v. "to **build, make** across"
transformation	[33]	L. n. "to **build, make** across" (act/instance of)
transistor	[41]	L. n. "to **stand** across" (that which)
transmission	[58]	L. n. "to **send** across" (act/instance of)
transmit	[58]	L. v. "to **send** across"
transpond	[58,16]	L. v. "to **place, weigh** across"
transponder	[58,16]	L. n. "to **place, weigh** across" (that which)
transport	[7]	L. v. "to **carry** across"
transportation	[7]	L. n. "to **carry** across" (act/instance of)
transpose	[3]	L. v. "to **place** across"
transposition	[3]	L. n. "to **place** across" (act/instance of)
transverse	[22]	L. a. "to **turn** across" (attr)
transversion	[22]	L. n. "to **turn** across" (act/instance of)
turn	[22]	A. v. [vers,vert]
vent	[43]	L. v. "to **come**"
verse	[43]	L. n. "to **turn**" (instance of)
version	[43]	L. n. "to **turn** " (instance of)
view	[49]	A. v. [vid,vis]
vision	[49]	L. n. "to **see**" (instance of)
vocalize	[54]	L. v. "to **voice**"
vocalization	[54]	L. n. "to **voice**" (act/instance of)
voice	[54]	A. v. [voc,vox]
weigh	[16]	A. v. [pend,pond]
write	[52]	A. v. [scrib,script]
writings	[52]	A. n. [scrib,script] (instance of)
yield	[42]	A. n. [ced] (also n. instance of)

These Need Symbol Table Entries

adjunct	[*]	L. n. "to **join** to" (instance of)
affirm	[33,*]	L. v. "to **make**, **set** to"
affirmation	[33,*]	L. n. "to **make**, **set** to" (act/instance of)
affix	[*]	L. v. "to **fasten** to"
apart	[*]	L. prop. "to **part** from" ()
assent	[*]	L. v. "to **sense** to"
assert	[*]	L. v. "to **join** to"
assertion	[*]	L. n. "to **join** to" (act/instance of)
bear	[7,*]	A. v. [port, gest]
bind	[*]	A. v. [nex,sert]
cognant	[*]	L. v. "to **know**"
cognition	[*]	L. n. "to **know**" (act,state of)
cognizant	[*]	L. v. "to **know**"
compare	[*]	L. v. "to **equate** together"
comparison	[*]	L. n. "to **equate** together" (act of)
compartment	[*]	L. n. "to **part** together" (instance of)
concern	[*]	L. v. "to **part** together"
confirm	[33,*]	L. v. "to **make**, **set** together"
confirmation	[33,*]	L. n. "to **make**, **set** together" (act/instance of)
congest	[*,7]	L. v. "to **bear/carry** together"
congestion	[*,7]	L. n. "to **bear/carry** together" (state of)
conjunct	[*]	L. v. "to **join** together" (also n. object of)
conjunction	[*]	L. n. "to **join** together" (instance/state of)
connect	[*]	L. v. "to **join** together"
connection	[*]	L. n. "to **join** together" (instance/state of)
consent	[*]	L. v. "to **sense** together" (also n. instance of)
consensus	[*]	L. n. "to **sense** together" (state of)
constant	[*,41]	L. n. "to **set/stand** together" (object of)
constancy	[*,41]	L. n. "to **set/stand** together" (state of)
constituent	[*,41]	L. n. "to **set/stand** together" (object of)
constituency	[*,41]	L. n. "to **set/stand** together" (aggregate of)
constitute	[*,41]	L. v. "to **set/stand** together"
constitution	[*,41]	L. n. "to **set/stand** together" (instance/state of)
contrast	[*,41]	L. v. "to **set/stand** against" [contra + statuere]
depart	[*]	L. v. "to **part** down"
department	[*]	L. n. "to **move** down" (instance of)
desert	[*]	L. v. "to **part** down/from"
desertion	[*]	L. n. "to **part** down/from" (act/instance of)
digest	[*,7]	L. v. "to **bear** across, apart"
digestion	[*,7]	L. n. "to **bear** across, apart" (instance of)
disjunct	[*]	L. n. "to **join** from (undo)" (object of)
disjunction	[*]	L. n. "to **join** from (undo)" (act/instance of)
dissent	[*]	L. v. "to **sense** away, not"
dissention	[*]	L. n. "to **sense** away, not" (act/instance of)
distance	[*,41]	L. v. "to **set, stand** from, away" (also n. instance of)
enlarge	[*]	A. v. [magn]
essense	[*]	L. n. "to **sense** in, within" (instance of)
exert	[*]	L. v. "to **join** out, beyond"
exertion	[*]	L. n. "to **join** out, beyond " (instance of)
expand	[*]	L. v. "to **spread** out"
expansion	[*]	L. n. "to **spread** out" (instance of)
expert	[*]	L. n. "to **try, strive** out" (one who)
extant	[41,*]	L. a. "to **stand, set** out" (attr)
firm	[33,*]	L. v. "to **make**, **set**"

fix	[*,14]	L. v. "to **set**, **hold**"
fixate	[*,14]	L. v. "to **set**, **hold**"
fixation	[*,14]	L. n. "to **set**, **hold**" (act/instance of)
fixture	[*,14]	L. n. "to **set**, **hold**" (object of)
form	[33,*]	L. v. "to **make, shape**"
gestate	[*]	L. v. "to **bear**"
gestation	[*]	L. v. "to **bear**" (act/instance of)
gesture	[*]	L. v. "to **bear**" (act/instance of)
impart	[*]	L. v. "to **part** in"
incognito	[*]	L. n. "to **know** not, without" (object of)
indigestion	[*]	L. n. "to **bear** across, not (without)" (act/instance of)
infirm	[33,*]	L. v. "to **make, set** (not, undo)"
infirmity	[33,*]	L. n. "to **make, set** (not, undo)" (state of)
inform	[33,*]	L. v. "to **make, shape** in"
information	[33,*]	L. n. "to **make, shape** in" (instance of)
ingest	[*]	L. v. "to **bear** in"
ingestion	[*]	L. n. "to **bear** in" (act/instance of)
insensitivity	[*]	L. n. "to **sense** not, without" (state of)
insert	[*]	L. v. "to **join** in"
insertion	[*]	L. n. "to **join** in" (act/instance of)
instance	[41,*]	L. n. "to **stand, set** in" (instance of)
instant	[41,*]	L. n. "to **stand, set** in" (object of)
instantiate	[41,*]	L. v. "to **stand, set** in"
join	[*]	A. v. [nect,sert]
magnify	[*]	L. v. "to **enlarge**" (also n. act/instance of)
magnification	[*]	L. v. "to **enlarge**" (act/instance of)
par	[*]	L. a. "equal"
part	[*]	A. v. [cern,se,sev]
precognition	[*]	L. n. "to **know** before" (act/instance of)
prefix	[*,33]	L. v. "to **set, make** before"
present	[*]	L. v. "to **sense** before" (also n. act/instance of)
presentience	[*]	L. n. "to **sense** before" (ability)
prognosticate	[*]	L. v. "to **know** for"
prognostication	[*]	L. n. "to **know** for" (act/instance of)
recognize	[*]	L. v. "to **know** back, again"
recognition	[*]	L. n. "to **know** back, again" (act/instance of)
resent	[*]	L. v. "to **sense** back, again"
resentment	[*]	L. n. "to **sense** back, again" (state of)
sensation	[*]	L. n. "to **sense**" (act/instance of)
sense	[*]	L. v. "to **sense**" (awareness, feeling)
sensitivity	[*]	L. n. "to **sense**" (measure of)
sentience	[*]	L. n. "to **sense**" (state of)
spread	[*]	A. v. [pan,pand]
stance	[41,*]	A. n. [sist,stat] (act/instance of)
stand	[41,*]	A. v. [sist,stat]
standard	[41,*]	A. n. [sist,stat] (act/instance of)
substance	[41,*]	L. n. "to **stand, set** under" (object of)
substantial	[41,*]	L. a. "to **stand, set** under" (attr)
suggest	[*,7]	L. v. "to **bear, carry** under"
suggestion	[*,7]	L. n. "to **bear, carry** under" (act/instance of)
transfix	[*,33]	L. v. "to **set, build** across"

SUMMARY OF MISSING STUFF

EASY ONES

magn	L. v. "to enlarge"
nect,sert	L. v. "to join"
pand	L. v. "to spread"
sent	L. v. "to sense"
cog,gnos	L. v. "to know"

HARD ONES

fix, firm	L. v. "to fasten, set"
stitua	L. v. "to stand, set"
gest	L. v. "to bear, carry"
cern,sev	L. v. "to part"
par	L. v. "to equate"

NOTES: "solve" needs (wash, cleanse), "ascede" misspelled.

GRAPH: apply for admission, submit an application,

show "before" as "in advance of"