

Brief Prefix	Explicit Concept	Summarizing Draft	Names of how to use the Concepts	Prefix Building	Blocks	StayVS version	VS version
<b>Item Prefix Punctuation Sequences</b>							
.i	Item	i	Items are for modeling <u>what exists</u> ; Item Name i and its Synonyms all link to 1 main Feature explained by its Code in the Item's main Bag; to <u>ZoomIn</u> is to call .AnySynonym'i to produce <u>Content</u> from Code formally '\$&'customized and ~randomized by the compiler if allowed	RR1			2
:i	Type	i	Types are for modeling <u>what may exist</u> ; :i is a Set of Rules describing any generalized or specialized Concept as abstract model; an Item is of AnyType, its own ItemProtoType, and of UnknownType until the compiler proves to which KnownType an ItemType belongs; it is good for finding errors <i>if</i> Types map reality well (the hardest work in Evolvix)	RR1			3
@i	View	i	Views are for modeling <u>what is measurable</u> within a Boundary (Here), at it (Near), beyond it (There), or by shortcut (Fare): overview @i exists to <u>ZoomOut</u> to the Dictionary @i organizing <u>Context</u> @i with a nested Feature Population of Content Items and all contextual meta Items (for modeling emerging traits of the system or simply for observing it)	QQ1			4
.i\.	Name	x	Define .x as perfect Synonym for .i; use \:MyDialect for pretty printing	QQ1			5
~i	Dice	i	Uncertainty ~i affects .i; '\$&' may auto switch precision and DiceType	QQ1			6
<b>Connection Prefix Punctuation Sequences</b>							
_i	Link	i	Link _i can be Responsible, Fragile, etc as managed by .i (and '\$&%')	QQ1			8
i	Pipe	i	Filter Flow of Data over _i in .i to enforce all Rules in  i (eg firewalls etc)	QQ1			9
..i	Role	i	Role of Input or Output ..i as Context defines it; easy to memoize	QQ1			10
?i	Asks	i	Query ?i digs for extra output, assumptions, tests, logics, debugs, etc	QQ1			11
<b>Individualization Prefix Punctuation Sequences</b>							
\$i	Uses	i	Plan \$i knows resources, implementations, tracks costs, credits, etc	PP1			13
&i	Flag	i	Pick &i to switch assumptions, goals, methods, modes, options, etc on how to use or do .i (if not AsUsual); must all be predefined (like \$)	PP1			14
%i	Spec	i	Customize Machine x %Setup, %%Configuration, %%%InnerHacks	PP1			15
<b>Documentation Prefix Punctuation Sequences</b>							
#i	Tag	i	Mark findings to aid search, evaluate in Batch of #: i, ToDo, Bug, ....	QQ1			17
!i	Info	i	Human Info <i>only</i> ; sort by Types i,doc,.... to compile literate programs	SS1			18
<b>Structural Prefix Punctuation Sequences</b> (may all exist in Item i)							
{}	Wall		<u>Closed</u> local Dictionary Node that maps all local Synonym Names to their relevant Explanations for this Context; no auto export or import	QQ1			20
()	Well		<u>Open</u> local Content Form: auto import, export of locally visible names	PP1			21
[]	List		Set builder notation describing Elements of Sets in Sets with diverse, dense, sparse, etc Dimensions; morphs into Table, Array, Alignment, Net, Database, Package, Filesystem etc via Evolvix VM Transformer	QQ1			22
'yz'	Pile		Unordered Bag of characters to choose from (eg 1 of 'yz' gets y or z)	QQ1			23
"yz"	Text		Sequence of characters (Types control UniCode normalizations, etc)	RR1			24
,	Chop		Separate next from previous elements in a List, Array, Table, [] etc	RR1			25
;	Stop		Separate next from previous sections in code; reset parsing; parse in parallel; structure compiled Info docs; pause compute to cooperate	RR1			26
`	Glue		Build Prefix Sequences via genitive relations (Car `Key=Key of a Car)	QQ1			27
<sup>1</sup> i	Word	i	Keyword or Prefix must follow <sup>1</sup> Whitespace (if not in a special Context)	RR1			28

## Figure P0: Core concepts for Building Prefix Punctuation Sequences in Evolvix.

Languages aiming for a stable extensible user-friendly vocabulary have to **(i)** maximize space for growing lists of keywords and **(ii)** keep it free from confusing ones. Thus, Evolvix **(i)** reserves all words as keywords by expecting all names from users to get a useful prefix (lines 2 to 17); **(ii)** Evolvix tracks formal milestones on the journey to stability for simplifying fast removal of avoidable complexity (with StayVS, a stabilizing versioning system in the works for assessing stabilities of Elements and Sets independently; see Fig.REF). To mark likely Evolvix Keywords, we capitalize Concepts in Core Evolvix (like 'Bag' for 'container of varying size') and drop dots from useful Latin shortcuts (like eg for e.g.: or etc for etc.).