

— TEKST BEGYNDER —

(\*\*\*\*\* et par mærkelige tests, 21.11.06 \*\*\*\*\*)

[( x )] i stedet for [parenthesis x end parenthesis]:

[(x) <sup>tex</sup> ≡ “(#1.

)”]

[(x) ≐ (x)]

(\*\*\*)

Test nr. 1: Test paa strukturen af [quote var a pair true end quote]. Testen lykkes, som forventet:

[[a :: T] <sup>t</sup> ≐

([T :: T]<sup>r</sup> :: [T :: T]<sup>i</sup> :: T) ::

(([a]<sup>r</sup> :: [a]<sup>i</sup> :: T) :: T) ::

(([T]<sup>r</sup> :: [T]<sup>i</sup> :: T) :: T) ::

T]<sup>t</sup>.

(\*\*\*)

Test nr. 2: False test paa strukturen af [quote var a pair true end quote tail].

False testen lykkes, mod forventning:

[[a :: T] <sup>t</sup> ≐

(([a]<sup>r</sup> :: [a]<sup>i</sup> :: T) :: T) ::

(([T]<sup>r</sup> :: [T]<sup>i</sup> :: T) :: T) ::

T]<sup>-</sup>

(\*\*\*)

Test nr. 3: Endnu en false test paa strukturen af [quote var a pair true end quote tail]. False testen lykkes, mod forventning:

[[a :: T] <sup>t</sup> ≐

(

([T :: T]<sup>r</sup> :: [T :: T]<sup>i</sup> :: T) ::

(([a]<sup>r</sup> :: [a]<sup>i</sup> :: T) :: T) ::

(([T]<sup>r</sup> :: [T]<sup>i</sup> :: T) :: T) ::

T]<sup>t</sup>]<sup>-</sup>

(\*\*\*\*\* 'mistakenly unfit' funktion, 24.11.06 \*\*\*\*\*)

[ExpandList(x, y, z) <sup>tex</sup> ≡ “ExpandList(#1.

, #2.

, #3.

)”]

[ExpandList(t, s, c) ≐ t!s!c!if t<sup>a</sup> then T else  $\tilde{\mathcal{M}}$ (t<sup>h</sup>, s, c) :: ExpandList(t<sup>t</sup>, s, c)]

— TEKST SLUTTER —

## Priority table

### Preassociative

[frozen], [base], [bracket \* end bracket], [big bracket \* end bracket], [ \$ \* \$ ],  
[flush left [\*], [x], [y], [z], [[\* ⊗ \*], [[\* <sup>\*</sup> → \*], [pyk], [tex], [name], [prio], [\*], [T],  
[if(\*, \*, \*)], [[\* <sup>\*</sup> ⇒ \*], [val], [claim], [⊥], [f(\*)], [(\*)<sup>t</sup>], [F], [0], [1], [2], [3], [4], [5], [6],  
[7], [8], [9], [0], [1], [2], [3], [4], [5], [6], [7], [8], [9], [a], [b], [c], [d], [e], [f], [g], [h], [i], [j],  
[k], [l], [m], [n], [o], [p], [q], [r], [s], [t], [u], [v], [w], [(\*)<sup>M</sup>], [If(\*, \*, \*)],

$\text{[array}\{*\}*\text{end array]}$ ,  $\text{[[]]}$ ,  $\text{[c]}$ ,  $\text{[r]}$ ,  $\text{[empty]}$ ,  $\text{[}\{*\} := *\text{]}$ ,  $\text{[}\mathcal{M}(*)\text{]}$ ,  $\text{[}\tilde{\mathcal{U}}(*)\text{]}$ ,  $\text{[}\mathcal{U}(*)\text{]}$ ,  
 $\text{[}\mathcal{U}^{\mathcal{M}}(*)\text{]}$ ,  $\text{[}\mathbf{apply}(*, *)\text{]}$ ,  $\text{[}\mathbf{apply}_1(*, *)\text{]}$ ,  $\text{[}\text{identifier}(*)\text{]}$ ,  $\text{[}\text{identifier}_1(*, *)\text{]}$ ,  $\text{[}\text{array-}$   
 $\text{plus}(*, *)\text{]}$ ,  $\text{[}\text{array-remove}(*, *, *)\text{]}$ ,  $\text{[}\text{array-put}(*, *, *, *)\text{]}$ ,  $\text{[}\text{array-add}(*, *, *, *, *)\text{]}$ ,  
 $\text{[}\text{bit}(*, *)\text{]}$ ,  $\text{[}\text{bit}_1(*, *)\text{]}$ ,  $\text{[}\text{rack}]$ ,  $\text{[}\text{"vector"}\text{]}$ ,  $\text{[}\text{"bibliography"}\text{]}$ ,  $\text{[}\text{"dictionary"}\text{]}$ ,  
 $\text{[}\text{"body"}\text{]}$ ,  $\text{[}\text{"codex"}\text{]}$ ,  $\text{[}\text{"expansion"}\text{]}$ ,  $\text{[}\text{"code"}\text{]}$ ,  $\text{[}\text{"cache"}\text{]}$ ,  $\text{[}\text{"diagnose"}\text{]}$ ,  $\text{[}\text{"pyk"}\text{]}$ ,  
 $\text{[}\text{"tex"}\text{]}$ ,  $\text{[}\text{"texname"}\text{]}$ ,  $\text{[}\text{"value"}\text{]}$ ,  $\text{[}\text{"message"}\text{]}$ ,  $\text{[}\text{"macro"}\text{]}$ ,  $\text{[}\text{"definition"}\text{]}$ ,  
 $\text{[}\text{"unpack"}\text{]}$ ,  $\text{[}\text{"claim"}\text{]}$ ,  $\text{[}\text{"priority"}\text{]}$ ,  $\text{[}\text{"lambda"}\text{]}$ ,  $\text{[}\text{"apply"}\text{]}$ ,  $\text{[}\text{"true"}\text{]}$ ,  $\text{[}\text{"if"}\text{]}$ ,  
 $\text{[}\text{"quote"}\text{]}$ ,  $\text{[}\text{"proclaim"}\text{]}$ ,  $\text{[}\text{"define"}\text{]}$ ,  $\text{[}\text{"introduce"}\text{]}$ ,  $\text{[}\text{"hide"}\text{]}$ ,  $\text{[}\text{"pre"}\text{]}$ ,  $\text{[}\text{"post"}\text{]}$ ,  
 $\text{[}\mathcal{E}(*, *, *)\text{]}$ ,  $\text{[}\mathcal{E}_2(*, *, *, *, *)\text{]}$ ,  $\text{[}\mathcal{E}_3(*, *, *, *, *)\text{]}$ ,  $\text{[}\mathcal{E}_4(*, *, *, *, *)\text{]}$ ,  $\text{[}\mathbf{lookup}(*, *, *)\text{]}$ ,  
 $\text{[}\mathbf{abstract}(*, *, *, *, *)\text{]}$ ,  $\text{[}\{*\}\text{]}$ ,  $\text{[}\mathcal{M}(*, *, *)\text{]}$ ,  $\text{[}\mathcal{M}_2(*, *, *, *, *)\text{]}$ ,  $\text{[}\mathcal{M}^*(*, *, *, *)\text{]}$ ,  $\text{[}\text{macro}]$ ,  
 $\text{[}\text{S}_0\text{]}$ ,  $\text{[}\mathbf{zip}(*, *)\text{]}$ ,  $\text{[}\mathbf{assoc}_1(*, *, *, *)\text{]}$ ,  $\text{[}\{*\}^{\mathcal{P}}\text{]}$ ,  $\text{[}\text{self}]$ ,  $\text{[}\{*\} \doteq *\text{]}$ ,  $\text{[}\{*\} \dot{=} *\text{]}$ ,  $\text{[}\{*\} \dot{=} *\text{]}$ ,  
 $\text{[}\{*\}^{\text{pyk}}\text{]}$ ,  $\text{[}\{*\}^{\text{tex}}\text{]}$ ,  $\text{[}\{*\}^{\text{name}}\text{]}$ ,  $\text{[}\mathbf{Priority table}[*\text{]}]$ ,  $\text{[}\tilde{\mathcal{M}}_1\text{]}$ ,  $\text{[}\tilde{\mathcal{M}}_2(*)\text{]}$ ,  $\text{[}\tilde{\mathcal{M}}_3(*)\text{]}$ ,  
 $\text{[}\tilde{\mathcal{M}}_4(*, *, *, *, *)\text{]}$ ,  $\text{[}\mathcal{M}(*, *, *, *)\text{]}$ ,  $\text{[}\mathcal{Q}(*, *, *, *)\text{]}$ ,  $\text{[}\tilde{\mathcal{Q}}_2(*, *, *, *)\text{]}$ ,  $\text{[}\tilde{\mathcal{Q}}_3(*, *, *, *, *)\text{]}$ ,  $\text{[}\tilde{\mathcal{Q}}^*(*, *, *, *)\text{]}$ ,  
 $\text{[}\{*\}\text{]}$ ,  $\text{[}\{*\}\text{]}$ ,  $\text{[}\text{display}(*)\text{]}$ ,  $\text{[}\text{statement}(*)\text{]}$ ,  $\text{[}\{*\}^{\cdot}\text{]}$ ,  $\text{[}\{*\}^{\cdot-}\text{]}$ ,  $\text{[}\mathbf{aspect}(*, *)\text{]}$ ,  
 $\text{[}\mathbf{aspect}(*, *, *)\text{]}$ ,  $\text{[}\{*\}\text{]}$ ,  $\text{[}\mathbf{tuple}_1(*)\text{]}$ ,  $\text{[}\mathbf{tuple}_2(*)\text{]}$ ,  $\text{[}\text{let}_2(*, *)\text{]}$ ,  $\text{[}\text{let}_1(*, *)\text{]}$ ,  
 $\text{[}\{*\}^{\text{claim}}\text{]}$ ,  $\text{[}\text{checker}]$ ,  $\text{[}\mathbf{check}(*, *)\text{]}$ ,  $\text{[}\mathbf{check}_2(*, *, *)\text{]}$ ,  $\text{[}\mathbf{check}_3(*, *, *, *)\text{]}$ ,  
 $\text{[}\mathbf{check}^*(*, *)\text{]}$ ,  $\text{[}\mathbf{check}_2^*(*, *, *, *)\text{]}$ ,  $\text{[}\{*\}^{\cdot}\text{]}$ ,  $\text{[}\{*\}^{\cdot-}\text{]}$ ,  $\text{[}\{*\}^{\circ}\text{]}$ ,  $\text{[}\text{msg}]$ ,  $\text{[}\{*\}^{\text{msg}}\text{]}$ ,  $\text{[}\langle\text{stmt}\rangle\text{]}$ ,  
 $\text{[}\text{stmt}]$ ,  $\text{[}\{*\}^{\text{stmt}}\text{]}$ ,  $\text{[}\text{HeadNil}'\text{]}$ ,  $\text{[}\text{HeadPair}'\text{]}$ ,  $\text{[}\text{Transitivity}'\text{]}$ ,  $\text{[}\perp\text{]}$ ,  $\text{[}\text{Contra}'\text{]}$ ,  $\text{[}\text{T}_{\mathcal{E}}\text{]}$ ,  
 $\text{[}\text{L}_1\text{]}$ ,  $\text{[}\underline{\text{S}}\text{]}$ ,  $\text{[}\mathcal{A}]$ ,  $\text{[}\mathcal{B}]$ ,  $\text{[}\mathcal{C}]$ ,  $\text{[}\mathcal{D}]$ ,  $\text{[}\mathcal{E}]$ ,  $\text{[}\mathcal{F}]$ ,  $\text{[}\mathcal{G}]$ ,  $\text{[}\mathcal{H}]$ ,  $\text{[}\mathcal{I}]$ ,  $\text{[}\mathcal{J}]$ ,  $\text{[}\mathcal{K}]$ ,  $\text{[}\mathcal{L}]$ ,  $\text{[}\mathcal{M}]$ ,  $\text{[}\mathcal{N}]$ ,  $\text{[}\mathcal{O}]$ ,  $\text{[}\mathcal{P}]$ ,  $\text{[}\mathcal{Q}]$ ,  
 $\text{[}\mathcal{R}]$ ,  $\text{[}\mathcal{S}]$ ,  $\text{[}\mathcal{T}]$ ,  $\text{[}\mathcal{U}]$ ,  $\text{[}\mathcal{V}]$ ,  $\text{[}\mathcal{W}]$ ,  $\text{[}\mathcal{X}]$ ,  $\text{[}\mathcal{Y}]$ ,  $\text{[}\mathcal{Z}]$ ,  $\text{[}\{*\} := *\text{]}$ ,  $\text{[}\{*\} := *\text{]}$ ,  $\text{[}\emptyset\text{]}$ ,  $\text{[}\text{Remainder}]$ ,  
 $\text{[}\{*\}^{\vee}\text{]}$ ,  $\text{[}\text{intro}(*, *, *, *)\text{]}$ ,  $\text{[}\text{intro}(*, *, *)\text{]}$ ,  $\text{[}\text{error}(*, *)\text{]}$ ,  $\text{[}\text{error}_2(*, *)\text{]}$ ,  $\text{[}\text{proof}(*, *, *)\text{]}$ ,  
 $\text{[}\text{proof}_2(*, *)\text{]}$ ,  $\text{[}\mathcal{S}(*, *)\text{]}$ ,  $\text{[}\mathcal{S}^1(*, *)\text{]}$ ,  $\text{[}\mathcal{S}^{\triangleright}(*, *)\text{]}$ ,  $\text{[}\mathcal{S}_1^{\triangleright}(*, *, *, *)\text{]}$ ,  $\text{[}\mathcal{S}^{\mathcal{E}}(*, *)\text{]}$ ,  $\text{[}\mathcal{S}_1^{\mathcal{E}}(*, *, *, *)\text{]}$ ,  
 $\text{[}\mathcal{S}^+(*, *)\text{]}$ ,  $\text{[}\mathcal{S}_1^+(*, *, *, *)\text{]}$ ,  $\text{[}\mathcal{S}^-(*, *)\text{]}$ ,  $\text{[}\mathcal{S}_1^-(*, *, *, *)\text{]}$ ,  $\text{[}\mathcal{S}^*(*, *)\text{]}$ ,  $\text{[}\mathcal{S}_1^*(*, *, *, *)\text{]}$ ,  
 $\text{[}\mathcal{S}_2^*(*, *, *, *, *)\text{]}$ ,  $\text{[}\mathcal{S}^{\textcircled{a}}(*, *)\text{]}$ ,  $\text{[}\mathcal{S}_1^{\textcircled{a}}(*, *, *, *)\text{]}$ ,  $\text{[}\mathcal{S}^{\textcircled{+}}(*, *)\text{]}$ ,  $\text{[}\mathcal{S}_1^{\textcircled{+}}(*, *, *, *, *)\text{]}$ ,  $\text{[}\mathcal{S}^{\textcircled{+}}(*, *)\text{]}$ ,  
 $\text{[}\mathcal{S}_1^{\textcircled{+}}(*, *, *, *, *)\text{]}$ ,  $\text{[}\mathcal{S}^{\text{i.e.}}(*, *)\text{]}$ ,  $\text{[}\mathcal{S}_1^{\text{i.e.}}(*, *, *, *, *)\text{]}$ ,  $\text{[}\mathcal{S}_2^{\text{i.e.}}(*, *, *, *, *, *)\text{]}$ ,  $\text{[}\mathcal{S}^{\vee}(*, *)\text{]}$ ,  
 $\text{[}\mathcal{S}_1^{\vee}(*, *, *, *, *)\text{]}$ ,  $\text{[}\mathcal{S}^{\text{!}}(*, *)\text{]}$ ,  $\text{[}\mathcal{S}_1^{\text{!}}(*, *, *, *)\text{]}$ ,  $\text{[}\mathcal{S}_2^{\text{!}}(*, *, *, *, *)\text{]}$ ,  $\text{[}\mathcal{T}(*)\text{]}$ ,  $\text{[}\text{claims}(*, *, *)\text{]}$ ,  
 $\text{[}\text{claims}_2(*, *, *)\text{]}$ ,  $\text{[}\langle\text{proof}\rangle\text{]}$ ,  $\text{[}\text{proof}]$ ,  $\text{[}\mathbf{Lemma} : *\text{]}$ ,  $\text{[}\mathbf{Proof of} : *\text{]}$ ,  
 $\text{[}\{*\} \text{lemma} : *\text{]}$ ,  $\text{[}\{*\} \text{antilemma} : *\text{]}$ ,  $\text{[}\{*\} \text{rule} : *\text{]}$ ,  $\text{[}\{*\} \text{antirule} : *\text{]}$ ,  
 $\text{[}\text{verifier}]$ ,  $\text{[}\mathcal{V}_1(*)\text{]}$ ,  $\text{[}\mathcal{V}_2(*, *)\text{]}$ ,  $\text{[}\mathcal{V}_3(*, *, *, *)\text{]}$ ,  $\text{[}\mathcal{V}_4(*, *)\text{]}$ ,  $\text{[}\mathcal{V}_5(*, *, *, *)\text{]}$ ,  $\text{[}\mathcal{V}_6(*, *, *, *, *)\text{]}$ ,  
 $\text{[}\mathcal{V}_7(*, *, *, *, *)\text{]}$ ,  $\text{[}\text{Cut}(*, *)\text{]}$ ,  $\text{[}\text{Head}_{\oplus}(*)\text{]}$ ,  $\text{[}\text{Tail}_{\oplus}(*)\text{]}$ ,  $\text{[}\text{rule}_1(*, *)\text{]}$ ,  $\text{[}\text{rule}(*, *)\text{]}$ ,  
 $\text{[}\text{Rule tactic}]$ ,  $\text{[}\text{Plus}(*, *)\text{]}$ ,  $\text{[}\mathbf{Theory} : *\text{]}$ ,  $\text{[}\text{theory}_2(*, *)\text{]}$ ,  $\text{[}\text{theory}_3(*, *, *)\text{]}$ ,  
 $\text{[}\text{theory}_4(*, *, *, *)\text{]}$ ,  $\text{[}\text{HeadNil}''\text{]}$ ,  $\text{[}\text{HeadPair}''\text{]}$ ,  $\text{[}\text{Transitivity}''\text{]}$ ,  $\text{[}\text{Contra}''\text{]}$ ,  $\text{[}\text{HeadNil}]$ ,  
 $\text{[}\text{HeadPair}]$ ,  $\text{[}\text{Transitivity}]$ ,  $\text{[}\text{Contra}]$ ,  $\text{[}\text{T}_{\mathcal{E}}\text{]}$ ,  $\text{[}\text{ragged right}]$ ,  
 $\text{[}\text{ragged right expansion}]$ ,  $\text{[}\text{parm}(*, *, *)\text{]}$ ,  $\text{[}\text{parm}^*(*, *, *)\text{]}$ ,  $\text{[}\text{inst}(*, *)\text{]}$ ,  
 $\text{[}\text{inst}^*(*, *)\text{]}$ ,  $\text{[}\text{occur}(*, *, *)\text{]}$ ,  $\text{[}\text{occur}^*(*, *, *)\text{]}$ ,  $\text{[}\text{unify}(* = *, *)\text{]}$ ,  $\text{[}\text{unify}^*(* = *, *)\text{]}$ ,  
 $\text{[}\text{unify}_2(* = *, *)\text{]}$ ,  $\text{[}\text{L}_a\text{]}$ ,  $\text{[}\text{L}_b\text{]}$ ,  $\text{[}\text{L}_c\text{]}$ ,  $\text{[}\text{L}_d\text{]}$ ,  $\text{[}\text{L}_e\text{]}$ ,  $\text{[}\text{L}_f\text{]}$ ,  $\text{[}\text{L}_g\text{]}$ ,  $\text{[}\text{L}_h\text{]}$ ,  $\text{[}\text{L}_i\text{]}$ ,  $\text{[}\text{L}_j\text{]}$ ,  $\text{[}\text{L}_k\text{]}$ ,  $\text{[}\text{L}_l\text{]}$ ,  $\text{[}\text{L}_m\text{]}$ ,  
 $\text{[}\text{L}_n\text{]}$ ,  $\text{[}\text{L}_o\text{]}$ ,  $\text{[}\text{L}_p\text{]}$ ,  $\text{[}\text{L}_q\text{]}$ ,  $\text{[}\text{L}_r\text{]}$ ,  $\text{[}\text{L}_s\text{]}$ ,  $\text{[}\text{L}_t\text{]}$ ,  $\text{[}\text{L}_u\text{]}$ ,  $\text{[}\text{L}_v\text{]}$ ,  $\text{[}\text{L}_w\text{]}$ ,  $\text{[}\text{L}_x\text{]}$ ,  $\text{[}\text{L}_y\text{]}$ ,  $\text{[}\text{L}_z\text{]}$ ,  $\text{[}\text{L}_A\text{]}$ ,  $\text{[}\text{L}_B\text{]}$ ,  $\text{[}\text{L}_C\text{]}$ ,  
 $\text{[}\text{L}_D\text{]}$ ,  $\text{[}\text{L}_E\text{]}$ ,  $\text{[}\text{L}_F\text{]}$ ,  $\text{[}\text{L}_G\text{]}$ ,  $\text{[}\text{L}_H\text{]}$ ,  $\text{[}\text{L}_I\text{]}$ ,  $\text{[}\text{L}_J\text{]}$ ,  $\text{[}\text{L}_K\text{]}$ ,  $\text{[}\text{L}_L\text{]}$ ,  $\text{[}\text{L}_M\text{]}$ ,  $\text{[}\text{L}_N\text{]}$ ,  $\text{[}\text{L}_O\text{]}$ ,  $\text{[}\text{L}_P\text{]}$ ,  $\text{[}\text{L}_Q\text{]}$ ,  $\text{[}\text{L}_R\text{]}$ ,  
 $\text{[}\text{L}_S\text{]}$ ,  $\text{[}\text{L}_T\text{]}$ ,  $\text{[}\text{L}_U\text{]}$ ,  $\text{[}\text{L}_V\text{]}$ ,  $\text{[}\text{L}_W\text{]}$ ,  $\text{[}\text{L}_X\text{]}$ ,  $\text{[}\text{L}_Y\text{]}$ ,  $\text{[}\text{L}_Z\text{]}$ ,  $\text{[}\text{L}_?\text{]}$ ,  $\text{[}\text{Reflexivity}]$ ,  $\text{[}\text{Reflexivity}_1\text{]}$ ,  
 $\text{[}\text{Commutativity}]$ ,  $\text{[}\text{Commutativity}_1\text{]}$ ,  $\text{[}\langle\text{tactic}\rangle\text{]}$ ,  $\text{[}\text{tactic}]$ ,  $\text{[}\{*\}^{\text{tactic}}\text{]}$ ,  $\text{[}\mathcal{P}(*, *, *)\text{]}$ ,  
 $\text{[}\mathcal{P}^*(*, *, *)\text{]}$ ,  $\text{[}\text{p}_0\text{]}$ ,  $\text{[}\text{conclude}_1(*, *)\text{]}$ ,  $\text{[}\text{conclude}_2(*, *, *)\text{]}$ ,  $\text{[}\text{conclude}_3(*, *, *, *)\text{]}$ ,  
 $\text{[}\text{conclude}_4(*, *)\text{]}$ ,  $\text{[}\text{check}]$ ,  $\text{[}\{*\}^{\circ}\text{]}$ ,  $\text{[}\text{RootVisible}(*)\text{]}$ ,  $\text{[}\mathcal{A}]$ ,  $\text{[}\mathcal{R}]$ ,  $\text{[}\mathcal{C}]$ ,  $\text{[}\mathcal{T}]$ ,  $\text{[}\mathcal{L}]$ ,  $\text{[}\{*\}\text{]}$ ,  $\text{[}\bar{\cdot}\text{]}$ ,  
 $\text{[}\mathcal{a}]$ ,  $\text{[}\mathcal{b}]$ ,  $\text{[}\mathcal{c}]$ ,  $\text{[}\mathcal{d}]$ ,  $\text{[}\mathcal{e}]$ ,  $\text{[}\mathcal{f}]$ ,  $\text{[}\mathcal{g}]$ ,  $\text{[}\mathcal{h}]$ ,  $\text{[}\mathcal{i}]$ ,  $\text{[}\mathcal{j}]$ ,  $\text{[}\mathcal{k}]$ ,  $\text{[}\mathcal{l}]$ ,  $\text{[}\mathcal{m}]$ ,  $\text{[}\mathcal{n}]$ ,  $\text{[}\mathcal{o}]$ ,  $\text{[}\mathcal{p}]$ ,  $\text{[}\mathcal{q}]$ ,  $\text{[}\mathcal{r}]$ ,  $\text{[}\mathcal{s}]$ ,  $\text{[}\mathcal{t}]$ ,  $\text{[}\mathcal{u}]$ ,  $\text{[}\mathcal{v}]$ ,  
 $\text{[}\mathcal{w}]$ ,  $\text{[}\mathcal{x}]$ ,  $\text{[}\mathcal{y}]$ ,  $\text{[}\mathcal{z}]$ ,  $\text{[}\{*\} \equiv *\text{]}$ ,  $\text{[}\{*\} \equiv^0 *\text{]}$ ,  $\text{[}\{*\} \equiv^1 *\text{]}$ ,  $\text{[}\{*\} \equiv^* *\text{]}$ ,



$[\neg *];$   
**Preassociative**  
 $[* \wedge *], [* \ddot{\wedge} *], [* \tilde{\wedge} *], [* \wedge_c *];$   
**Preassociative**  
 $[* \vee *], [* \parallel *], [* \ddot{\vee} *];$   
**Preassociative**  
 $[\exists *: *], [\forall *: *], [\forall_{\text{obj}} *: *];$   
**Postassociative**  
 $[* \dot{\Rightarrow} *], [* \Rightarrow *], [* \Leftrightarrow *];$   
**Postassociative**  
 $[* : *], [* \text{ spy } *], [* ! *];$   
**Preassociative**  
 $[* \left\{ \begin{array}{c} * \\ * \end{array} \right.];$   
**Preassociative**  
 $[\lambda * .*], [\Lambda * .*], [\Lambda *], [\text{if } * \text{ then } * \text{ else } *], [\text{let } * = * \text{ in } *], [\text{let } * \dot{=} * \text{ in } *];$   
**Preassociative**  
 $[* \# *];$   
**Preassociative**  
 $[*^I], [*^\triangleright], [*^V], [*^+], [*^-], [*^*];$   
**Preassociative**  
 $[* @ *], [* \triangleright *], [* \blacktriangleright *], [* \gg *], [* \triangleleft *];$   
**Postassociative**  
 $[* \vdash *], [* \vDash *], [* \text{ i.e. } *];$   
**Preassociative**  
 $[\forall *: *], [\Pi *: *];$   
**Postassociative**  
 $[* \oplus *];$   
**Postassociative**  
 $[* ; *];$   
**Preassociative**  
 $[* \text{ proves } *];$   
**Preassociative**  
 $[* \text{ proof of } * : *], [\text{Line } * : * \gg * ; *], [\text{Last line } * \gg * \square],$   
 $[\text{Line } * : \text{Premise } \gg * ; *], [\text{Line } * : \text{Side-condition } \gg * ; *], [\text{Arbitrary } \gg * ; *],$   
 $[\text{Local } \gg * = * ; *], [\text{Begin } * ; * : \text{End} ; *], [\text{Last block line } * \gg * ; *],$   
 $[\text{Arbitrary } \gg * ; *];$   
**Postassociative**  
 $[* | *];$   
**Postassociative**  
 $[* , *], [* [ * ] *];$   
**Preassociative**  
 $[* \& *];$   
**Preassociative**  
 $[* \\ *], [* \text{ linebreak}[4] *], [* \\ *];$  **End table**

# A Pyk definitioner

$[(*) \xrightarrow{\text{pyk}} "( " )"]$

$[\text{ExpandList}(*, *, *) \xrightarrow{\text{pyk}} \text{"expandList( " , " , " )"}]$

$[\text{Tester} \xrightarrow{\text{pyk}} \text{"tester"}]$

$[\text{Tester2} \xrightarrow{\text{pyk}} \text{"tester2"}]$

$[\text{Tester3} \xrightarrow{\text{pyk}} \text{"tester3"}]$

$[\text{Tester4} \xrightarrow{\text{pyk}} \text{"tester4"}]$

$[\text{Tester5} \xrightarrow{\text{pyk}} \text{"tester5"}]$

$[\text{Tester6} \xrightarrow{\text{pyk}} \text{"tester6"}]$

$[\text{frozen} \xrightarrow{\text{pyk}} \text{"frozen"}]$

)<sup>P</sup>

[frozen  $\stackrel{\text{tex}}{=} \text{“frozen”}$ ]

[Tester  $\stackrel{\text{tex}}{=} \text{“Tester”}$ ]

[Tester2  $\stackrel{\text{tex}}{=} \text{“Tester2”}$ ]

[Tester3  $\stackrel{\text{tex}}{=} \text{“Tester3”}$ ]

[Tester4  $\stackrel{\text{tex}}{=} \text{“Tester4”}$ ]

[Tester5  $\stackrel{\text{tex}}{=} \text{“Tester5”}$ ]

[Tester6  $\stackrel{\text{tex}}{=} \text{“Tester6”}$ ]