Logiweb codex of prove

prove

[prove $\overset{\text{prio}}{\rightarrow}$

Preassociative

[prove], [base], [bracket $*$ end bracket], [big bracket $*$ end bracket], [$\$ * \$$], [**flush left** [$*$]], [x], [y], [z], [[$* \bowtie *$]], [[$* \overset{*}{\rightarrow} *$]], [pyk], [tex], [name], [prio], [$*$], [T], [if($*,*,*$)], [[$* \overset{*}{\Rightarrow} *$]], [val], [claim], [$\perp$], [f($*$)], [($*$)$^{\mathrm{I}}$], [F], [$\underline{0}$], [$\underline{1}$], [$\underline{2}$], [$\underline{3}$], [$\underline{4}$], [$\underline{5}$], [$\underline{6}$], [$\underline{7}$], [$\underline{8}$], [$\underline{9}$], [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], [($*$)$^{\mathrm{M}}$], [If($*,*,*$)], [array$\{*\}$ $*$ end array], [l], [c], [r], [empty], [$\langle * \mid * := * \rangle$], [$\mathcal{M}(*)$], [$\tilde{\mathcal{U}}(*)$], [$\mathcal{U}(*)$], [$\mathcal{U}^{\mathrm{M}}(*)$], [**apply**($*,*$)], [**apply**$_1$($*,*$)], [identifier($*$)], [identifier$_1$($*,*$)], [array-plus($*,*$)], [array-remove($*,*,*$)], [array-put($*,*,*,*$)], [array-add($*,*,*,*,*$)], [bit($*,*$)], [bit$_1$($*,*$)], [rack], ["vector"], ["bibliography"], ["dictionary"], ["body"], ["codex"], ["expansion"], ["code"], ["cache"], ["diagnose"], ["pyk"], ["tex"], ["texname"], ["value"], ["message"], ["macro"], ["definition"], ["unpack"], ["claim"], ["priority"], ["lambda"], ["apply"], ["true"], ["if"], ["quote"], ["proclaim"], ["define"], ["introduce"], ["hide"], ["pre"], ["post"], [$\mathcal{E}(*,*,*)$], [$\mathcal{E}_2(*,*,*,*,*)$], [$\mathcal{E}_3(*,*,*,*)$], [$\mathcal{E}_4(*,*,*)$], [**lookup**($*,*,*$)], [**abstract**($*,*,*,*$)], [[$\ulcorner * \urcorner$]], [$\mathcal{M}(*,*,*)$], [$\mathcal{M}_2(*,*,*,*)$], [$\mathcal{M}^*(*,*,*)$], [macro], [s_0], [**zip**($*,*$)], [**assoc**$_1$($*,*,*$)], [($*$)$^{\mathrm{P}}$], [self], [[$* \overset{..}{=} *$]], [[$* \overset{.}{=} *$]], [[$* \overset{.}{=} *$]], [[$* \overset{\text{pyk}}{=} *$]], [[$* \overset{\text{tex}}{=} *$]], [[$* \overset{\text{name}}{=} *$]], [**Priority table**[$*$]], [$\tilde{\mathcal{M}}_1$], [$\tilde{\mathcal{M}}_2(*)$], [$\tilde{\mathcal{M}}_3(*)$], [$\tilde{\mathcal{M}}_4(*,*,*,*)$], [$\tilde{\mathcal{M}}(*,*,*)$], [$\tilde{\mathcal{Q}}(*,*,*)$], [$\tilde{\mathcal{Q}}_2(*,*,*)$], [$\tilde{\mathcal{Q}}_3(*,*,*,*)$], [$\tilde{\mathcal{Q}}^*(*,*,*)$], [($*$)], [($*$)], [display($*$)], [statement($*$)], [[$*$]˙], [[$*$]$^-$], [**aspect**($*,*$)], [**aspect**($*,*,*$)], [$\langle * \rangle$], [**tuple**$_1$($*$)], [**tuple**$_2$($*$)], [let$_2$($*,*$)], [let$_1$($*,*$)], [[$* \overset{\text{claim}}{=} *$]], [checker], [**check**($*,*$)], [**check**$_2$($*,*,*$)], [**check**$_3$($*,*,*$)], [**check***($*,*$)], [**check**$_2^*$($*,*,*$)], [[$*$]˙], [[$*$]$^-$], [[$*$]°], [msg], [[$* \overset{\text{msg}}{=} *$]], [<stmt>], [stmt], [[$* \overset{\text{stmt}}{=} *$]], [HeadNil′], [HeadPair′], [Transitivity′], [⊥], [Contra′], [T′$_{\mathrm{E}}$], [L$_1$], [$\underline{*}$], [$\mathcal{A}$], [$\mathcal{B}$], [$\mathcal{C}$], [$\mathcal{D}$], [$\mathcal{E}$], [$\mathcal{F}$], [$\mathcal{G}$], [$\mathcal{H}$], [$\mathcal{I}$], [$\mathcal{J}$], [$\mathcal{K}$], [$\mathcal{L}$], [$\mathcal{M}$], [$\mathcal{N}$], [$\mathcal{O}$], [$\mathcal{P}$], [$\mathcal{Q}$], [$\mathcal{R}$], [$\mathcal{S}$], [$\mathcal{T}$], [$\mathcal{U}$], [$\mathcal{V}$], [$\mathcal{W}$], [$\mathcal{X}$], [$\mathcal{Y}$], [$\mathcal{Z}$], [$\langle * \mid * := * \rangle$], [$\langle ^* * \mid * := * \rangle$], [$\emptyset$], [Remainder], [($*$)$^{\mathbf{v}}$], [intro($*,*,*,*$)], [intro($*,*,*$)], [error($*,*$)], [error$_2$($*,*$)], [proof($*,*,*$)], [proof$_2$($*,*$)], [$\mathcal{S}(*,*)$], [$\mathcal{S}^{\mathrm{I}}(*,*)$], [$\mathcal{S}^{\triangleright}(*,*)$], [$\mathcal{S}_1^{\triangleright}(*,*,*)$], [$\mathcal{S}^{\mathrm{E}}(*,*)$], [$\mathcal{S}_1^{\mathrm{E}}(*,*,*)$], [$\mathcal{S}^+(*,*)$], [$\mathcal{S}_1^+(*,*,*)$], [$\mathcal{S}^-(*,*)$], [$\mathcal{S}_1^-(*,*,*)$], [$\mathcal{S}^*(*,*)$], [$\mathcal{S}_1^*(*,*,*)$], [$\mathcal{S}_2^*(*,*,*)$], [$\mathcal{S}^{@}(*,*)$], [$\mathcal{S}_1^{@}(*,*)$], [$\mathcal{S}^{\vdash}(*,*)$], [$\mathcal{S}_1^{\vdash}(*,*,*,*)$], [$\mathcal{S}^{\Vdash}(*,*)$], [$\mathcal{S}_1^{\Vdash}(*,*,*)$], [$\mathcal{S}^{\mathrm{i.e.}}(*,*)$], [$\mathcal{S}_1^{\mathrm{i.e.}}(*,*,*,*)$], [$\mathcal{S}_2^{\mathrm{i.e.}}(*,*,*,*,*)$], [$\mathcal{S}^{\forall}(*,*)$],

$[\mathcal{S}_1^\forall(*,*,*,*)]$, $[\mathcal{S}^{;}(*,*)]$, $[\mathcal{S}_1^{;}(*,*,*)]$, $[\mathcal{S}_2^{;}(*,*,*,*)]$, $[\mathcal{T}(*)]$, $[\text{claims}(*,*,*)]$,
$[\text{claims}_2(*,*,*)]$, $[<\text{proof}>]$, $[\text{proof}]$, $[[\textbf{Lemma } *{:}*]]$, $[[\textbf{Proof of } *{:}*]]$,
$[[* \textbf{ lemma } *{:}*]]$, $[[* \textbf{ antilemma } *{:}*]]$, $[[* \textbf{ rule } *{:}*]]$, $[[* \textbf{ antirule } *{:}*]]$,
$[\text{verifier}]$, $[\mathcal{V}_1(*)]$, $[\mathcal{V}_2(*,*)]$, $[\mathcal{V}_3(*,*,*,*)]$, $[\mathcal{V}_4(*,*)]$, $[\mathcal{V}_5(*,*,*,*)]$, $[\mathcal{V}_6(*,*,*,*)]$,
$[\mathcal{V}_7(*,*,*,*)]$, $[\text{Cut}(*,*)]$, $[\text{Head}_\oplus(*)]$, $[\text{Tail}_\oplus(*)]$, $[\text{rule}_1(*,*)]$, $[\text{rule}(*,*)]$,
$[\text{Rule tactic}]$, $[\text{Plus}(*,*)]$, $[[\textbf{Theory } *]]$, $[\text{theory}_2(*,*)]$, $[\text{theory}_3(*,*)]$,
$[\text{theory}_4(*,*,*)]$, $[\text{HeadNil}'']$, $[\text{HeadPair}'']$, $[\text{Transitivity}'']$, $[\text{Contra}'']$, $[\text{HeadNil}]$,
$[\text{HeadPair}]$, $[\text{Transitivity}]$, $[\text{Contra}]$, $[\text{T}_\text{E}]$, $[\text{ragged right}]$,
$[\text{ragged right expansion }]$, $[\text{parm}(*,*,*)]$, $[\text{parm}^*(*,*,*)]$, $[\text{inst}(*,*)]$,
$[\text{inst}^*(*,*)]$, $[\text{occur}(*,*,*)]$, $[\text{occur}^*(*,*,*)]$, $[\text{unify}(*=*,*)]$, $[\text{unify}^*(*=*,*)]$,
$[\text{unify}_2(*=*,*)]$, $[\text{L}_\text{a}]$, $[\text{L}_\text{b}]$, $[\text{L}_\text{c}]$, $[\text{L}_\text{d}]$, $[\text{L}_\text{e}]$, $[\text{L}_\text{f}]$, $[\text{L}_\text{g}]$, $[\text{L}_\text{h}]$, $[\text{L}_\text{i}]$, $[\text{L}_\text{j}]$, $[\text{L}_\text{k}]$, $[\text{L}_\text{l}]$, $[\text{L}_\text{m}]$,
$[\text{L}_\text{n}]$, $[\text{L}_\text{o}]$, $[\text{L}_\text{p}]$, $[\text{L}_\text{q}]$, $[\text{L}_\text{r}]$, $[\text{L}_\text{s}]$, $[\text{L}_\text{t}]$, $[\text{L}_\text{u}]$, $[\text{L}_\text{v}]$, $[\text{L}_\text{w}]$, $[\text{L}_\text{x}]$, $[\text{L}_\text{y}]$, $[\text{L}_\text{z}]$, $[\text{L}_\text{A}]$, $[\text{L}_\text{B}]$, $[\text{L}_\text{C}]$,
$[\text{L}_\text{D}]$, $[\text{L}_\text{E}]$, $[\text{L}_\text{F}]$, $[\text{L}_\text{G}]$, $[\text{L}_\text{H}]$, $[\text{L}_\text{I}]$, $[\text{L}_\text{J}]$, $[\text{L}_\text{K}]$, $[\text{L}_\text{L}]$, $[\text{L}_\text{M}]$, $[\text{L}_\text{N}]$, $[\text{L}_\text{O}]$, $[\text{L}_\text{P}]$, $[\text{L}_\text{Q}]$, $[\text{L}_\text{R}]$,
$[\text{L}_\text{S}]$, $[\text{L}_\text{T}]$, $[\text{L}_\text{U}]$, $[\text{L}_\text{V}]$, $[\text{L}_\text{W}]$, $[\text{L}_\text{X}]$, $[\text{L}_\text{Y}]$, $[\text{L}_\text{Z}]$, $[\text{L}_?]$, $[\text{Reflexivity}]$, $[\text{Reflexivity}_1]$,
$[\text{Commutativity}]$, $[\text{Commutativity}_1]$, $[<\text{tactic}>]$, $[\text{tactic}]$, $[[* \overset{\text{tactic}}{=} *]]$, $[\mathcal{P}(*,*,*)]$,
$[\mathcal{P}^*(*,*,*)]$, $[\text{p}_0]$, $[\text{conclude}_1(*,*)]$, $[\text{conclude}_2(*,*,*)]$, $[\text{conclude}_3(*,*,*,*)]$,
$[\text{conclude}_4(*,*)]$, $[\text{check}]$, $[[* \overset{\circ}{=} *]]$, $[\text{RootVisible}(*)]$, $[\text{A}]$, $[\text{R}]$, $[\text{C}]$, $[\text{T}]$, $[\text{L}]$, $[\{*\}]$, $[\overline{*}]$,
$[a]$, $[b]$, $[c]$, $[d]$, $[e]$, $[f]$, $[g]$, $[h]$, $[i]$, $[j]$, $[k]$, $[l]$, $[m]$, $[n]$, $[o]$, $[p]$, $[q]$, $[r]$, $[s]$, $[t]$, $[u]$, $[v]$,
$[w]$, $[x]$, $[y]$, $[z]$, $[\langle *\equiv * \mid *:=*\rangle]$, $[\langle *\equiv^0 * \mid *:=*\rangle]$, $[\langle *\equiv^1 * \mid *:=*\rangle]$, $[\langle *\equiv^* * \mid *:=*\rangle]$,
$[\text{Ded}(*,*)]$, $[\text{Ded}_0(*,*)]$, $[\text{Ded}_1(*,*,*)]$, $[\text{Ded}_2(*,*,*)]$, $[\text{Ded}_3(*,*,*,*)]$,
$[\text{Ded}_4(*,*,*)]$, $[\text{Ded}_4^*(*,*,*)]$, $[\text{Ded}_5(*,*,*)]$, $[\text{Ded}_6(*,*,*)]$,
$[\text{Ded}_6^*(*,*,*)]$, $[\text{Ded}_7(*)]$, $[\text{Ded}_8(*,*)]$, $[\text{Ded}_8^*(*,*)]$, $[\text{S}]$, $[\text{Neg}]$, $[\text{MP}]$, $[\text{Gen}]$,
$[\text{Ded}]$, $[\text{S1}]$, $[\text{S2}]$, $[\text{S3}]$, $[\text{S4}]$, $[\text{S5}]$, $[\text{S6}]$, $[\text{S7}]$, $[\text{S8}]$, $[\text{S9}]$, $[\text{Repetition}]$, $[\text{A1}']$, $[\text{A2}']$, $[\text{A4}']$,
$[\text{A5}']$, $[\text{Prop 3.2a}]$, $[\text{Prop 3.2b}]$, $[\text{Prop 3.2c}]$, $[\text{Prop 3.2d}]$, $[\text{Prop 3.2e}_1]$, $[\text{Prop 3.2e}_2]$,
$[\text{Prop 3.2e}]$, $[\text{Prop 3.2f}_1]$, $[\text{Prop 3.2f}_2]$, $[\text{Prop 3.2f}]$, $[\text{Prop 3.2g}_1]$, $[\text{Prop 3.2g}_2]$,
$[\text{Prop 3.2g}]$, $[\text{Prop 3.2h}_1]$, $[\text{Prop 3.2h}_2]$, $[\text{Prop 3.2h}]$, $[\text{Block}_1(*,*,*)]$, $[\text{Block}_2(*)]$,
$[\text{kvanti}]$, $[\text{UniqueMember}]$, $[\text{UniqueMember(Type)}]$, $[\text{SameSeries}]$, $[\text{A4}]$,
$[\text{SameMember}]$, $[\text{Qclosed(Addition)}]$, $[\text{Qclosed(Multiplication)}]$,
$[\text{FromCartProd(1)}]$, $[\text{1rule fromCartProd(2)}]$, $[\text{constantRationalSeries}(*)]$,
$[\text{cartProd}(*)]$, $[\text{Power}(*)]$, $[\text{binaryUnion}(*,*)]$, $[\text{SetOfRationalSeries}]$,
$[\text{IsSubset}(*,*)]$, $[(\text{p}*,*)]$, $[(\text{s}*)]$, $[(\cdots)]$, $[\texttt{Objekt-var}]$, $[\texttt{Ex-var}]$, $[\texttt{Ph-var}]$, $[\texttt{Værdi}]$,
$[\texttt{Variabel}]$, $[\text{Op}(*)]$, $[\text{Op}(*,*)]$, $[* \overset{\cdot\cdot}{=} *]$, $[\text{ContainsEmpty}(*)]$, $[\text{Nat}(*)]$,
$[\text{Dedu}(*,*)]$, $[\text{Dedu}_0(*,*)]$, $[\text{Dedu}_\text{s}(*,*,*)]$, $[\text{Dedu}_1(*,*,*)]$, $[\text{Dedu}_2(*,*,*)]$,
$[\text{Dedu}_3(*,*,*,*)]$, $[\text{Dedu}_4(*,*,*)]$, $[\text{Dedu}_4^*(*,*,*)]$, $[\text{Dedu}_5(*,*,*)]$,
$[\text{Dedu}_6(*,*,*,*)]$, $[\text{Dedu}_6^*(*,*,*)]$, $[\text{Dedu}_7(*)]$, $[\text{Dedu}_8(*,*)]$, $[\text{Dedu}_8^*(*,*)]$,
$[\text{Ex}_1]$, $[\text{Ex}_2]$, $[\text{Ex3}]$, $[\text{Ex10}]$, $[\text{Ex20}]$, $[*_\text{Ex}]$, $[*^\text{Ex}]$, $[\langle *\equiv * \mid *:==*\rangle_\text{Ex}]$,
$[\langle *\equiv^0 * \mid *:==*\rangle_\text{Ex}]$, $[\langle *\equiv^1 * \mid *:==*\rangle_\text{Ex}]$, $[\langle *\equiv^* * \mid *:==*\rangle_\text{Ex}]$, $[\text{ph}_1]$, $[\text{ph}_2]$, $[\text{ph}_3]$,
$[*_\text{Ph}]$, $[*^\text{Ph}]$, $[\langle *\equiv * \mid *:==*\rangle_\text{Ph}]$, $[\langle *\equiv^0 * \mid *:==*\rangle_\text{Ph}]$, $[\langle *\equiv^1 * \mid *:==*\rangle_\text{Ph}]$,
$[\langle *\equiv^* * \mid *:==*\rangle_\text{Ph}]$, $[\langle *\equiv * \mid *:==*\rangle_\text{Me}]$, $[\langle *\equiv^1 * \mid *:==*\rangle_\text{Me}]$,
$[\langle *\equiv^* * \mid *:==*\rangle_\text{Me}]$, $[\texttt{bs}]$, $[\texttt{OBS}]$, $[\mathcal{BS}]$, $[\emptyset]$, $[\text{SystemQ}]$, $[\text{MP}]$, $[\text{Gen}]$, $[\text{Repetition}]$,
$[\text{Neg}]$, $[\text{Ded}]$, $[\text{ExistIntro}]$, $[\text{Extensionality}]$, $[\text{Ødef}]$, $[\text{PairDef}]$, $[\text{UnionDef}]$,
$[\text{PowerDef}]$, $[\text{SeparationDef}]$, $[\text{AddDoubleNeg}]$, $[\text{RemoveDoubleNeg}]$,
$[\text{AndCommutativity}]$, $[\text{AutoImply}]$, $[\text{Contrapositive}]$, $[\text{FirstConjunct}]$,
$[\text{SecondConjunct}]$, $[\text{FromContradiction}]$, $[\text{FromDisjuncts}]$, $[\text{IffCommutativity}]$,
$[\text{IffFirst}]$, $[\text{IffSecond}]$, $[\text{ImplyTransitivity}]$, $[\text{JoinConjuncts}]$, $[\text{MP2}]$, $[\text{MP3}]$, $[\text{MP4}]$,

[MP5], [MT], [NegativeMT], [Technicality], [Weakening], [WeakenOr1],
[WeakenOr2], [Formula2Pair], [Pair2Formula], [Formula2Union],
[Union2Formula], [Formula2Sep], [Sep2Formula], [Formula2Power],
[SubsetInPower], [HelperPowerIsSub], [PowerIsSub],
[(Switch)HelperPowerIsSub], [(Switch)PowerIsSub], [ToSetEquality],
[HelperToSetEquality(t)], [ToSetEquality(t)], [HelperFromSetEquality],
[FromSetEquality], [HelperReflexivity], [Reflexivity], [HelperSymmetry],
[Symmetry], [HelperTransitivity], [Transitivity], [ERisReflexive],
[ERisSymmetric], [ERisTransitive], [ØisSubset], [HelperMemberNotØ],
[MemberNotØ], [HelperUniqueØ], [UniqueØ], [== Reflexivity], [== Symmetry],
[Helper == Transitivity], [== Transitivity], [HelperTransferNotEq],
[TransferNotEq], [HelperPairSubset], [Helper(2)PairSubset], [PairSubset],
[SamePair], [SameSingleton], [UnionSubset], [SameUnion], [SeparationSubset],
[SameSeparation], [SameBinaryUnion], [IntersectionSubset], [SameIntersection],
[AutoMember], [HelperEqSysNotØ], [EqSysNotØ], [HelperEqSubset],
[EqSubset], [HelperEqNecessary], [EqNecessary], [HelperNoneEqNecessary],
[Helper(2)NoneEqNecessary], [NoneEqNecessary], [EqClassIsSubset],
[EqClassesAreDisjoint], [AllDisjoint], [AllDisjointImply], [BSsubset],
[Union(BS/R)subset], [UnionIdentity], [EqSysIsPartition], [(x1)], [(x2)], [(y1)],
[(y2)], [(v1)], [(v2)], [(v3)], [(v4)], [(v2n)], [(m1)], [(m2)], [(n1)], [(n2)], [(n3)], [(ϵ)],
[(ϵ)$_1$], [(ϵ2)], [(fep)], [(fx)], [(fy)], [(fz)], [(fu)], [(fv)], [(fw)], [(rx)], [(ry)], [(rz)],
[(ru)], [(sx)], [(sx1)], [(sy)], [(sy1)], [(sz)], [(sz1)], [(su)], [(su1)], [(fxs)], [(fys)],
[(crs1)], [(f1)], [(f2)], [(f3)], [(f4)], [(op1)], [(op2)], [(r1)], [(s1)], [(s2)], [X_1], [X_2],
[Y_1], [Y_2], [V_1], [V_2], [V_3], [V_4], [V_{2n}], [M_1], [M_2], [N_1], [N_2], [N_3], [ϵ], [ϵ1], [ϵ2],
[FX], [FY], [FZ], [FU], [FV], [FW], [FEP], [RX], [RY], [RZ], [RU], [(SX)], [(SX1)],
[(SY)], [(SY1)], [(SZ)], [(SZ1)], [(SU)], [(SU1)], [FXS], [FYS], [(F1)], [(F2)], [(F3)],
[(F4)], [(OP1)], [(OP2)], [(R1)], [(S1)], [(S2)], [(EPob)], [(CRS1ob)], [(F1ob)],
[(F2ob)], [(F3ob)], [(F4ob)], [(N1ob)], [(N2ob)], [(OP1ob)], [(OP2ob)], [(R1ob)],
[(S1ob)], [(S2ob)], [ph$_4$], [ph$_5$], [ph$_6$], [NAT], [RATIONAL$_S$ERIES], [SERIES],
[SetOfReals], [SetOfFxs], [N], [Q], [X], [xs], [xaF], [ysF], [us], [usFoelge], [0], [1],
[(−1)], [2], [3], [1/2], [1/3], [2/3], [0f], [1f], [00], [01], [(− − 01)], [02], [01//02],
[lemma plus0Left], [lemma times1Left], [lemma eqAdditionLeft],
[lemma eqMultiplicationLeft], [PlusAssociativity(R)],
[PlusAssociativity(R)XX], [Plus0(R)], [Negative(R)], [Times1(R)],
[lessAddition(R)], [PlusCommutativity(R)], [LeqAntisymmetry(R)],
[LeqTransitivity(R)], [leqAddition(R)], [Distribution(R)], [A4(Axiom)],
[InductionAxiom], [EqualityAxiom], [EqLeqAxiom], [EqAdditionAxiom],
[EqMultiplicationAxiom], [QisClosed(Reciprocal)(Imply)],
[QisClosed(Reciprocal)], [QisClosed(Negative)(Imply)], [QisClosed(Negative)],
[leqReflexivity], [leqAntisymmetryAxiom], [leqTransitivityAxiom], [leqTotality],
[leqAdditionAxiom], [leqMultiplicationAxiom], [plusAssociativity],
[plusCommutativity], [Negative], [plus0], [timesAssociativity],
[timesCommutativity], [ReciprocalAxiom], [times1], [Distribution], [0not1],
[lemma eqLeq(R)], [TimesAssociativity(R)], [TimesCommutativity(R)],
[lemma =f to sameF], [lemma plusF(Sym)], [lemma timesF(Sym)],
[Separation2formula(1)], [Separation2formula(2)], [IfThenElse(T)],

[IfThenElse(F)], [Cauchy], [PlusF], [ReciprocalF], [From ==], [To ==],
[From <<], [to <<], [FromInR], [PlusR], [PlusR(Sym)], [TimesR],
[TimesR(Sym)], [ReciprocalR(Axiom)], [LessMinus1(N)], [Nonnegative(N)],
[US0], [NextXS(UpperBound)], [NextXS(NoUpperBound)],
[NextUS(UpperBound)], [NextUS(NoUpperBound)], [ExpZero], [ExpPositive],
[ExpZero(R)], [ExpPositive(R)], [BSzero], [BSpositive], [UStelescope(Zero)],
[UStelescope(Positive)], [EqAddition(R)], [Unminus(R)], [FromLimit],
[ToUpperBound], [FromUpperBound], [USisUpperBound], [0not1(R)],
[ExpUnbounded(R)], [FromLeq(Advanced)(N)], [FromLeastUpperBound],
[ToLeastUpperBound], [XSisNotUpperBound], [ysFGreater], [ysFLess],
[SmallInverse], [NatType], [RationalType], [SeriesType], [Max], [Numerical],
[MemberOfSeries(Imply)], [JoinConjuncts(2conditions)],
[prop lemma imply negation], [TND], [FromNegatedImply], [ToNegatedImply],
[FromNegated(2 ∗ Imply)], [FromNegatedAnd], [FromNegatedOr],
[ToNegatedOr], [FromNegations], [From3Disjuncts], [From2 ∗ 2Disjuncts],
[NegateDisjunct1], [NegateDisjunct2], [ExpandDisjuncts], [SENC1], [SENC2],
[LessLeq(R)], [MemberOfSeries], [memberOfSeries(Type)], [<< testMacro(∗)],
[Tester1], [Tester2], [Tester3], [Tester4], [Tester5], [Tester6];

Preassociative

[∗_{∗}], [∗/indexintro(∗, ∗, ∗, ∗)], [∗/intro(∗, ∗, ∗)], [∗/bothintro(∗, ∗, ∗, ∗, ∗)],
[∗/nameintro(∗, ∗, ∗, ∗)], [∗′], [∗[∗]], [∗[∗→∗]], [∗[∗⇒∗]], [∗0], [∗1], [0b], [∗-color(∗)],
[∗-color*(∗)], [∗^{H}], [∗^{T}], [∗^{U}], [∗^{h}], [∗^{t}], [∗^{s}], [∗^{c}], [∗^{d}], [∗^{a}], [∗^{C}], [∗^{M}], [∗^{B}], [∗^{r}], [∗^{i}],
[∗^{d}], [∗^{R}], [∗^{0}], [∗^{1}], [∗^{2}], [∗^{3}], [∗^{4}], [∗^{5}], [∗^{6}], [∗^{7}], [∗^{8}], [∗^{9}], [∗^{E}], [∗$^\mathcal{V}$], [∗$^\mathcal{C}$], [∗$^{\mathcal{C}^*}$],
[∗^{hide}];

Preassociative

["∗"], [], [(∗)$^\mathbf{t}$], [string(∗) + ∗], [string(∗) ++ ∗], [
∗], [∗], [!∗], ["∗], [#∗], [$∗], [%∗], [&∗], ['∗], [(∗,)∗], [∗∗], [+∗], [, ∗], [-∗], [.∗], [/∗],
[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∗], [X∗], [Y∗], [Z∗], [[∗], [\∗], []∗], [^∗],
[_∗], ['∗], [a∗], [b∗], [c∗], [d∗], [e∗], [f∗], [g∗], [h∗], [i∗], [j∗], [k∗], [l∗], [m∗], [n∗], [o∗],
[p∗], [q∗], [r∗], [s∗], [t∗], [u∗], [v∗], [w∗], [x∗], [y∗], [z∗], [{∗], [|∗], [}∗], [~∗],
[**Preassociative** ∗; ∗], [**Postassociative** ∗; ∗], [[∗], ∗], [priority ∗ end],
[newline ∗], [macro newline ∗], [MacroIndent(∗)];

Preassociative

[∗ ' ∗], [∗ ' ∗];

Preassociative

[∗(exp)∗];

Preassociative

[∗′], [R(∗)], [− − R(∗)], [rec∗];

Preassociative

[∗/∗], [∗ ∩ ∗], [∗[∗]];

Preassociative

[∪∗], [∗ ∪ ∗], [P(∗)];

Preassociative

[{∗}], [StateExpand(∗, ∗, ∗)], [extractSeries(∗)], [SetOfSeries(∗)], [− − Macro(∗)],

4

$[\text{ExpandList}(*, *, *)], [** \text{Macro}(*)], [++ \text{Macro}(*)], [<< \text{Macro}(*)], [\text{UB}(*, *)],$
$[\text{LUB}(*, *)], [\text{BS}(*, *)], [\text{UStelescope}(*, *)], [(*)], [|\text{r} *|], [\text{Limit}(*, *)], [\text{Union}(*)],$
$[\text{IsOrderedPair}(*, *, *)], [\text{IsRelation}(*, *, *)], [\text{isFunction}(*, *, *)], [\text{IsSeries}(*, *)],$
$[\text{IsNatural}(*, *)], [\text{OrderedPair}(*, *)], [\text{TypeNat}(*)], [\text{TypeNat0}(*)],$
$[\text{TypeRational}(*)], [\text{TypeRational0}(*)], [\text{TypeSeries}(*, *)], [\text{Typeseries0}(*, *)];$

Preassociative
$[\{*, *\}], [\langle *, * \rangle], [(-\text{u}*)], [-_\text{f}*], [(--*)], [1\text{f}/*], [1\text{fny}/*], [01//\text{temp}*];$

Preassociative
$[* \in *];$

Preassociative
$[* \cdot *], [* \cdot_0 *], [(***)], [* *_\text{f} *], [* ***];$

Preassociative
$[* + *], [* +_0 *], [* +_1 *], [* - *], [* -_0 *], [* -_1 *], [(*+*)], [(*-*)], [* +_\text{f} *],$
$[* -_\text{f} *], [* ++*], [\text{R}(*) -- \text{R}(*)];$

Preassociative
$[| * |], [\text{if}(*, *, *)], [\text{Max}(*, *)], [\text{Max}(*, *)];$

Preassociative
$[* = *], [* \neq *], [* <= *], [* < *], [* <_\text{f} *], [* \leq_\text{f} *], [\text{SF}(*, *)], [* == *],$
$[*!! == *], [* << *], [* <<== *], [* << \text{test}*];$

Preassociative
$[* \cup \{*\}], [* \cup *], [*\backslash\{*\}];$

Postassociative
$[* \therefore *], [* \because *], [* \mathrel{\underline{::}} *], [* \underline{+2*} *], [* :: *], [* +2* *];$

Postassociative
$[*, *];$

Preassociative
$[* \overset{\text{B}}{\approx} *], [* \overset{\text{D}}{\approx} *], [* \overset{\text{C}}{\approx} *], [* \overset{\text{P}}{\approx} *], [* \approx *], [* = *], [* \xrightarrow{+} *], [* \overset{\text{t}}{=} *], [* \overset{\text{t}^*}{=} *], [* \overset{\text{r}}{=} *],$
$[* \in_\text{t} *], [* \subseteq_\text{T} *], [* \overset{\text{T}}{=} *], [* \overset{\text{s}}{=} *], [* \text{ free in } *], [* \text{ free in}^* *], [* \text{ free for } * \text{ in } *],$
$[* \text{ free for}^* * \text{ in } *], [* \in_\text{c} *], [* < *], [* <' *], [* \leq' *], [* = *], [* \neq *], [*^{\text{var}}],$
$[*\#^0*], [*\#^1*], [*\#^**], [*==*], [* \subseteq *];$

Preassociative
$[\neg*], [\dot{\neg}(*)\text{n}], [* \notin *], [* \neq *];$

Preassociative
$[* \wedge *], [* \ddot{\wedge} *], [* \tilde{\wedge} *], [* \wedge_\text{c} *], [* \dot{\wedge} *];$

Preassociative
$[* \vee *], [* \| *], [* \ddot{\vee} *];$

Postassociative
$[* \dot{\vee} *];$

Preassociative
$[\exists*: *], [\forall*: *], [\forall_{\text{obj}}*: *], [\exists*: *];$

Postassociative
$[* \ddot{\Rightarrow} *], [* \Rightarrow *], [* \Leftrightarrow *], [* \dot{\Leftrightarrow} *];$

Preassociative
$[\{\text{ph} \in * \mid *\}];$

Postassociative

$[* : *], [* \text{ spy } *], [*!*];$
Preassociative
$[* \left\{ \begin{array}{c} * \\ * \end{array} \right];$
Preassociative
$[\lambda * . *], [\Lambda * . *], [\Lambda *], [\textbf{if } * \textbf{ then } * \textbf{ else } *], [\textbf{let } * = * \textbf{ in } *], [\textbf{let } * \stackrel{.}{=} * \text{ in } *];$
Preassociative
$[*\#*];$
Preassociative
$[*^{\text{I}}], [*^{\triangleright}], [*^{\text{V}}], [*^{+}], [*^{-}], [*^{*}];$
Preassociative
$[* @ *], [* \triangleright *], [* \triangleright\!\!\!\triangleright *], [* \gg *], [* \trianglerighteq *];$
Postassociative
$[* \vdash *], [* \Vdash *], [* \text{ i.e. } *];$
Preassociative
$[\forall *: *], [\Pi *: *];$
Postassociative
$[* \oplus *];$
Postassociative
$[*; *];$
Preassociative
$[* \text{ proves } *];$
Preassociative
$[* \textbf{ proof of } * : *], [\text{Line } * : * \gg *; *], [\text{Last line } * \gg * \square],$
$[\text{Line } * : \text{Premise} \gg *; *], [\text{Line } * : \text{Side-condition} \gg *; *], [\text{Arbitrary} \gg *; *],$
$[\text{Local} \gg * = *; *], [\text{Begin } *; * : \text{End}; *], [\text{Last block line } * \gg *;],$
$[\text{Arbitrary} \gg *; *];$
Postassociative
$[* \mid *];$
Postassociative
$[* , *], [*[*]*];$
Preassociative
$[*\&*];$
Preassociative
$[*\backslash\backslash*], [* \text{ linebreak}[4] *], [*\backslash\backslash*];]$

$[\text{prove} \stackrel{\text{tex}}{\to} \text{``prove''}]$

$[\text{prove} \stackrel{\text{pyk}}{\to} \text{``prove''}]$

$<< \text{testMacro}(*)$

$[<< \text{testMacro}(\mathsf{t}) \stackrel{\text{val}}{\to} \tilde{\mathcal{Q}}(\mathsf{t}, \lceil \mathsf{x} \rceil, \lceil \mathsf{x} \rceil :: \mathsf{t}^{222121222111111} :: \mathsf{T})]$

$[<< \text{testMacro}(\mathsf{t}) \stackrel{\text{tex}}{\to} \text{``}<<\text{testMacro}(\#1.}$

)"]

$[<< \text{testMacro}(*) \overset{\text{pyk}}{\to} \text{"} << \text{testMacro}(\text{ " })\text{"}]$

Tester1

$[\text{Tester1} \overset{\text{tex}}{\to} \text{"Tester1"}]$

$[\text{Tester1} \overset{\text{pyk}}{\to} \text{"tester1"}]$

Tester2

$[\text{Tester2} \overset{\text{tex}}{\to} \text{"Tester2"}]$

$[\text{Tester2} \overset{\text{pyk}}{\to} \text{"tester2"}]$

Tester3

$[\text{Tester3} \overset{\text{tex}}{\to} \text{"Tester3"}]$

$[\text{Tester3} \overset{\text{pyk}}{\to} \text{"tester3"}]$

Tester4

$[\text{Tester4} \overset{\text{tex}}{\to} \text{"Tester4"}]$

$[\text{Tester4} \overset{\text{pyk}}{\to} \text{"tester4"}]$

Tester5

$[\text{Tester5} \overset{\text{tex}}{\to} \text{"Tester5"}]$

$[\text{Tester5} \overset{\text{pyk}}{\to} \text{"tester5"}]$

Tester6

$[\text{Tester6} \overset{\text{tex}}{\to} \text{"Tester6"}]$

$[\text{Tester6} \overset{\text{pyk}}{\to} \text{"tester6"}]$

∗ << test∗

[x << testy $\overset{\text{macro}}{\rightarrow}$ λt.λs.λc. << testMacro(t^h :: ExpandList(t^t, s, c))]

[x << testy $\overset{\text{tex}}{\rightarrow}$ "#1.
<<test#2."]

[∗ << test∗ $\overset{\text{pyk}}{\rightarrow}$ "" <<test ""]