

prop calc

[prop calc $\xrightarrow{\text{prio}}$
Preassociative
[prop calc], [base], [bracket * end bracket], [big bracket * end bracket],
[math * end math], [**flush left** *], [x], [y], [z], [$[* \bowtie *]$], [$[* \rightarrow *]$], [pyk], [tex],
[name], [prio], [*], [T], [if(*, *, *)], [$[* \xrightarrow{*} *]$], [val], [claim], [$\perp$], [f(*)], [$(*)^I$], [F], [Q],
[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], [$(*)^M$], [If(*, *,
)], [array{} * end array], [l], [c], [r], [empty], [$\langle * \mid * := * \rangle$], [$\mathcal{M}(*)$], [$\mathcal{U}(*)$], [$\mathcal{U}(*)$],
[$\mathcal{U}^M(*)$], [**apply**(*, *)], [**apply**₁(*, *)], [identifier(*)], [identifier₁(*, *)], [array-
plus(*, *)], [array-remove(*, *, *)], [array-put(*, *, *, *)], [array-add(*, *, *, *, *)],
[bit(*, *)], [bit₁(*, *)], [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**(*, *, *, *)], [$[*]$], [$\mathcal{M}(*, *, *)$], [$\mathcal{M}_2(*, *, *, *)$], [$\mathcal{M}^*(*, *, *)$], [macro],
[s₀], [**zip**(*, *)], [**assoc**₁(*, *, *)], [$(*)^P$], [self], [$[* \doteq *]$], [$[* \doteq *]$], [$[* \doteq *]$],
[$[* \stackrel{\text{pyk}}{=} *]$], [$[* \stackrel{\text{tex}}{=} *]$], [$[* \stackrel{\text{name}}{=} *]$], [**Priority table**[*]], [$\tilde{\mathcal{M}}_1$], [$\tilde{\mathcal{M}}_2(*)$], [$\tilde{\mathcal{M}}_3(*)$],
[$\tilde{\mathcal{M}}_4(*, *, *, *)$], [$\mathcal{M}(*, *, *)$], [$\mathcal{Q}(*, *, *)$], [$\tilde{\mathcal{Q}}_2(*, *, *)$], [$\tilde{\mathcal{Q}}_3(*, *, *, *)$], [$\tilde{\mathcal{Q}}^*(*, *, *, *)$],
[(*)], [**aspect**(*, *)], [**aspect**(*, *, *)], [$\langle * \rangle$], [**tuple**₁(*)], [**tuple**₂(*)], [let₂(*, *)],
[let₁(*, *)], [$[* \stackrel{\text{claim}}{=} *]$], [checker], [**check**(*, *)], [**check**₂(*, *, *)], [**check**₃(*, *, *)],
[**check**^{*}(*, *)], [**check**₂^{*}(*, *, *)], [$[*]^\cdot$], [$[*]^-$], [$[*]^\circ$], [msg], [$[* \stackrel{\text{msg}}{=} *]$], [<stmt>],
[stmt], [$[* \stackrel{\text{stmt}}{=} *]$], [HeadNil'], [HeadPair'], [Transitivity'], [$\perp$], [Contra'], [T'_E],
[L₁], [⊆], [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], [$\langle * \mid * := * \rangle$], [$\langle * \mid * := * \rangle$], [∅], [Remainder],
[(*)[∇]], [error(*, *)], [error₂(*, *)], [proof(*, *, *)], [proof₂(*, *)], [S(*, *)], [S^I(*, *)],
[S[▷](*, *)], [S[▷]₁(*, *, *)], [S^E(*, *)], [S^E₁(*, *, *)], [S⁺(*, *)], [S⁺₁(*, *, *)],
[S⁻(*, *)], [S⁻₁(*, *, *)], [S^{*}(*, *)], [S^{*}₁(*, *, *)], [S^{*}₂(*, *, *, *)], [S[@](*, *)],
[S[@]₁(*, *, *)], [S⁺(*, *)], [S⁺₁(*, *, *, *)], [S⁺(*, *)], [S⁺₁(*, *, *, *)], [S^{i.e.}(*, *)],
[S^{i.e.}₁(*, *, *, *)], [S^{i.e.}₂(*, *, *, *, *)], [S[∇](*, *)], [S[∇]₁(*, *, *, *)], [Sⁱ(*, *)],
[Sⁱ₁(*, *, *, *)], [Sⁱ₂(*, *, *, *, *)], [T(*)], [claims(*, *, *)], [claims₂(*, *, *)], [<proof>],
[proof], [**Lemma** * : *], [**Proof of** * : *], [*** lemma** * : *],

Preassociative

$[* \overset{B}{\approx} *], [* \overset{D}{\approx} *], [* \overset{C}{\approx} *], [* \overset{P}{\approx} *], [* \approx *], [* = *], [* \overset{+}{\rightarrow} *], [* \overset{t}{=} *], [* \overset{t^*}{=} *], [* \overset{r}{=} *],$
 $[* \in_t *], [* \subseteq_T *], [* \overset{T}{=} *], [* \overset{s}{=} *], [* \text{ free in } *], [* \text{ free in }^* *], [* \text{ free for } * \text{ in } *],$
 $[* \text{ free for }^* * \text{ in } *], [* \in_c *], [* < *], [* <' *], [* \leq' *];$

Preassociative

$[\neg *];$

Preassociative

$[* \wedge *], [* \tilde{\wedge} *], [* \tilde{\wedge} *], [* \wedge_c *];$

Preassociative

$[* \vee *], [* \parallel *], [* \ddot{\vee} *];$

Postassociative

$[* \overset{\Rightarrow}{\Rightarrow} *];$

Postassociative

$[* \Rightarrow *];$

Postassociative

$[* : *], [* ! *];$

Preassociative

$[* \left\{ \begin{array}{c} * \\ * \end{array} \right\}];$

Preassociative

$[\lambda * . *], [\Lambda *], [\text{if } * \text{ then } * \text{ else } *], [\text{let } * = * \text{ in } *], [\text{let } * \doteq * \text{ in } *];$

Preassociative

$[*^I], [* \triangleright], [*^V], [*^+], [*^-], [*^*];$

Preassociative

$[* @ *], [* \triangleright *], [* \blacktriangleright *], [* \gg *];$

Preassociative

$[* \triangleright *], [* \blacktriangleright *], [* \gg *];$

Postassociative

$[* \vdash *], [* \Vdash *], [* \text{ i.e. } *];$

Preassociative

$[\forall * . *];$

Postassociative

$[* \oplus *];$

Postassociative

$[* ; *];$

Preassociative

$[* \text{ proves } *];$

Preassociative

$[* \text{ proof of } * : *], [\text{Line } * : * \gg *; *], [\text{Last line } * \gg *], [\text{Line } * : \text{Premise } \gg *; *],$
 $[\text{Line } * : \text{Side-condition } \gg *; *], [\text{Arbitrary } \gg *; *], [\text{Local } \gg * = *; *];$

Postassociative

$[* \text{ then } *], [* [*] *];$

Preassociative

$[* \& *];$

Preassociative

$[*\backslash\backslash*];]$

$[\text{prop calc} \xrightarrow{\text{pyk}} \text{“prop calc”}]$

T_P

$[T_P \xrightarrow{\text{stmt}} [[[\underline{b} \Rightarrow \underline{c}] \Rightarrow \underline{d}] \Rightarrow [[\underline{b} \Rightarrow \underline{c}] \Rightarrow [\underline{b} \Rightarrow \underline{d}]]] \oplus [[\underline{b} \Rightarrow [\underline{c} \Rightarrow \underline{b}]] \oplus [[[\neg \underline{c}] \Rightarrow \neg \underline{b}] \Rightarrow [[[\neg \underline{c}] \Rightarrow \underline{b}] \Rightarrow \underline{c}]]]]$

$[T_P \xrightarrow{\text{tex}} \text{“}T_{\{P\}}\text{”}]$

$[T_P \xrightarrow{\text{pyk}} \text{“prop theory”}]$

A1

$[A1 \xrightarrow{\text{proof}} \text{Rule tactic}]$

$[A1 \xrightarrow{\text{stmt}} T_P \vdash [\underline{b} \Rightarrow [\underline{c} \Rightarrow \underline{b}]]]$

$[A1 \xrightarrow{\text{tex}} \text{“A1”}]$

$[A1 \xrightarrow{\text{pyk}} \text{“axiom one”}]$

A2

$[A2 \xrightarrow{\text{proof}} \text{Rule tactic}]$

$[A2 \xrightarrow{\text{stmt}} T_P \vdash [[[\underline{b} \Rightarrow \underline{c}] \Rightarrow \underline{d}] \Rightarrow [[\underline{b} \Rightarrow \underline{c}] \Rightarrow [\underline{b} \Rightarrow \underline{d}]]]]$

$[A2 \xrightarrow{\text{tex}} \text{“A2”}]$

$[A2 \xrightarrow{\text{pyk}} \text{“axiom two”}]$

A3

$[A3 \xrightarrow{\text{proof}} \text{Rule tactic}]$

$[A3 \xrightarrow{\text{stmt}} T_P \vdash [[[\neg \underline{c}] \Rightarrow \neg \underline{b}] \Rightarrow [[[\neg \underline{c}] \Rightarrow \underline{b}] \Rightarrow \underline{c}]]]$

$[A3 \xrightarrow{\text{tex}} \text{“A3”}]$

$[A3 \xrightarrow{\text{pyk}} \text{“axiom three”}]$

$* \Rightarrow *$

$[b \Rightarrow c \overset{\text{val}}{\rightarrow} [\neg b] \vee c]$

$[b \Rightarrow c \overset{\text{tex}}{\rightarrow} \text{“\#1. \Rightarrow\{ \} \#2.”}]$

$[x \Rightarrow y \overset{\text{pyk}}{\rightarrow} \text{“* imply *}”]$

*The pyk compiler, version 0.grue.20050502 by Klaus Grue
GRD-2005-06-05.UTC:08:46:27.673984 = MJD-53526.TAI:08:46:59.673984 =
LGT-4624678019673984e-6*