

Logiweb sequent calculus, Chores

Klaus Grue

30. juni 2006

Indhold

1	Test cases	1
2	Pyk definitions	1
3	T_EX definitions	6
3.1	Variables	15
4	Numerals	15
5	Priority table	15

1 Test cases

2 Pyk definitions

$([\bar{0} \xrightarrow{\text{pyk}} \text{“numeral zero”}])$

$([\bar{1} \xrightarrow{\text{pyk}} \text{“numeral one”}])$

$([\bar{2} \xrightarrow{\text{pyk}} \text{“numeral two”}])$

$([\bar{3} \xrightarrow{\text{pyk}} \text{“numeral three”}])$

$([\bar{4} \xrightarrow{\text{pyk}} \text{“numeral four”}])$

$([\bar{5} \xrightarrow{\text{pyk}} \text{“numeral five”}])$

$([\bar{6} \xrightarrow{\text{pyk}} \text{“numeral six”}])$

$([\bar{7} \xrightarrow{\text{pyk}} \text{“numeral seven”}])$

$([\bar{8} \xrightarrow{\text{pyk}} \text{“numeral eight”}])$

$([\bar{9} \xrightarrow{\text{pyk}} \text{“numeral nine”}])$

$([\bar{n} \xrightarrow{\text{pyk}} \text{“numeral n”}])$

$([\text{rule div} \xrightarrow{\text{pyk}} \text{“rule div”}])$

$([\text{R} \xrightarrow{\text{pyk}} \text{“rule r”}])$

- [R1 $\xrightarrow{\text{pyk}}$ “rule r one”]
- [R2 $\xrightarrow{\text{pyk}}$ “rule r two”]
- [R3 $\xrightarrow{\text{pyk}}$ “rule r three”]
- [R4 $\xrightarrow{\text{pyk}}$ “rule r four”]
- [R5 $\xrightarrow{\text{pyk}}$ “rule r five”]
- [R6 $\xrightarrow{\text{pyk}}$ “rule r six”]
- [Con1 $\xrightarrow{\text{pyk}}$ “conjel1”]
- [Con2 $\xrightarrow{\text{pyk}}$ “conjel2”]
- [Con $\xrightarrow{\text{pyk}}$ “conjin”]
- [Dis1 $\xrightarrow{\text{pyk}}$ “disjin1”]
- [Dis2 $\xrightarrow{\text{pyk}}$ “disjin2”]
- [Lem1.11c $\xrightarrow{\text{pyk}}$ “t one”]
- [Cor1.10a $\xrightarrow{\text{pyk}}$ “h zero a”]
- [Cor1.10b $\xrightarrow{\text{pyk}}$ “h zero b”]
- [Lem1.11a $\xrightarrow{\text{pyk}}$ “h one”]
- [Lem1.11b $\xrightarrow{\text{pyk}}$ “h two”]
- [H3 $\xrightarrow{\text{pyk}}$ “h three”]
- [Prop3.2c' $\xrightarrow{\text{pyk}}$ “h four”]
- [S1'' $\xrightarrow{\text{pyk}}$ “h four mark”]
- [Neg' $\xrightarrow{\text{pyk}}$ “h five”]
- [Repetition' $\xrightarrow{\text{pyk}}$ “h six”]
- [Lem1.11e $\xrightarrow{\text{pyk}}$ “h seven”]
- [Lem1.11d $\xrightarrow{\text{pyk}}$ “h eight”]
- [Prop3.2b' $\xrightarrow{\text{pyk}}$ “h nine”]
- [H10 $\xrightarrow{\text{pyk}}$ “h ten”]
- [H11 $\xrightarrow{\text{pyk}}$ “h eleven”]
- [Lem1.11g $\xrightarrow{\text{pyk}}$ “h twelwe”]
- [MT $\xrightarrow{\text{pyk}}$ “modus tollens”]
- [S10 $\xrightarrow{\text{pyk}}$ “axiom s ten”]
- [Prop 3.2 $\xrightarrow{\text{pyk}}$ “prop three two”]
- [Prop 3.2i $\xrightarrow{\text{pyk}}$ “prop three two i”]
- [Prop 3.2j₁ $\xrightarrow{\text{pyk}}$ “prop three two j one”]
- [Prop 3.2j₂ $\xrightarrow{\text{pyk}}$ “prop three two j two”]
- [Prop 3.2j $\xrightarrow{\text{pyk}}$ “prop three two j”]
- [Prop 3.2k₁ $\xrightarrow{\text{pyk}}$ “prop three two k one”]

[Prop 3.2k₂ $\xrightarrow{\text{pyk}}$ “prop three two k two”]
 [Prop 3.2k $\xrightarrow{\text{pyk}}$ “prop three two k”]
 [Prop 3.2l₁ $\xrightarrow{\text{pyk}}$ “prop three two l one”]
 [Prop 3.2l₂ $\xrightarrow{\text{pyk}}$ “prop three two l two”]
 [Prop 3.2l $\xrightarrow{\text{pyk}}$ “prop three two l”]
 [Prop 3.2m₁ $\xrightarrow{\text{pyk}}$ “prop three two m one”]
 [Prop 3.2m₂ $\xrightarrow{\text{pyk}}$ “prop three two m two”]
 [Prop 3.2m $\xrightarrow{\text{pyk}}$ “prop three two m”]
 [Prop 3.2n₁ $\xrightarrow{\text{pyk}}$ “prop three two n one”]
 [Prop 3.2n₂ $\xrightarrow{\text{pyk}}$ “prop three two n two”]
 [Prop 3.2n $\xrightarrow{\text{pyk}}$ “prop three two n”]
 [Prop 3.2o $\xrightarrow{\text{pyk}}$ “prop three two o”]
 [Prop 3.4 $\xrightarrow{\text{pyk}}$ “prop three four”]
 [Prop 3.4a₁ $\xrightarrow{\text{pyk}}$ “prop three four a one”]
 [Prop 3.4a₂ $\xrightarrow{\text{pyk}}$ “prop three four a two”]
 [Prop 3.4a $\xrightarrow{\text{pyk}}$ “prop three four a”]
 [Prop 3.4b $\xrightarrow{\text{pyk}}$ “prop three four b”]
 [Prop 3.4c₁ $\xrightarrow{\text{pyk}}$ “prop three four c one”]
 [Prop 3.4c₂ $\xrightarrow{\text{pyk}}$ “prop three four c two”]
 [Prop 3.4c $\xrightarrow{\text{pyk}}$ “prop three four c”]
 [Prop 3.4d₁ $\xrightarrow{\text{pyk}}$ “prop three four d one”]
 [Prop 3.4d₂ $\xrightarrow{\text{pyk}}$ “prop three four d two”]
 [Prop 3.4d $\xrightarrow{\text{pyk}}$ “prop three four d”]
 [Prop 3.5 $\xrightarrow{\text{pyk}}$ “prop three five”]
 [Prop 3.5a $\xrightarrow{\text{pyk}}$ “prop three five a”]
 [Prop 3.5b $\xrightarrow{\text{pyk}}$ “prop three five b”]
 [Prop 3.5c $\xrightarrow{\text{pyk}}$ “prop three five c”]
 [Prop 3.5d₁ $\xrightarrow{\text{pyk}}$ “prop three five d one”]
 [Prop 3.5d₂ $\xrightarrow{\text{pyk}}$ “prop three five d two”]
 [Prop 3.5d $\xrightarrow{\text{pyk}}$ “prop three five d”]
 [Prop 3.5e₁ $\xrightarrow{\text{pyk}}$ “prop three five e one”]
 [Prop 3.5e₂ $\xrightarrow{\text{pyk}}$ “prop three five e two”]
 [Prop 3.5e $\xrightarrow{\text{pyk}}$ “prop three five e”]
 [Prop 3.5f₁ $\xrightarrow{\text{pyk}}$ “prop three five f one”]
 [Prop 3.5f₂ $\xrightarrow{\text{pyk}}$ “prop three five f two”]

- [Prop 3.5f $\xrightarrow{\text{pyk}}$ “prop three five f”]
- [Prop 3.5g₁ $\xrightarrow{\text{pyk}}$ “prop three five g one”]
- [Prop 3.5g₄ $\xrightarrow{\text{pyk}}$ “prop three five g two”]
- [Prop 3.5g₂ $\xrightarrow{\text{pyk}}$ “prop three five g three”]
- [Prop 3.5g₃ $\xrightarrow{\text{pyk}}$ “prop three five g four”]
- [Prop 3.5g $\xrightarrow{\text{pyk}}$ “prop three five g”]
- [Prop 3.5h₁ $\xrightarrow{\text{pyk}}$ “prop three five h one”]
- [Prop 3.5h₂ $\xrightarrow{\text{pyk}}$ “prop three five h two”]
- [Prop 3.5h $\xrightarrow{\text{pyk}}$ “prop three five h”]
- [Prop 3.5i₁ $\xrightarrow{\text{pyk}}$ “prop three five i one”]
- [Prop 3.5i₂ $\xrightarrow{\text{pyk}}$ “prop three five i two”]
- [Prop 3.5i $\xrightarrow{\text{pyk}}$ “prop three five i”]
- [Prop 3.5j₁ $\xrightarrow{\text{pyk}}$ “prop three five j one”]
- [Prop 3.5j₂ $\xrightarrow{\text{pyk}}$ “prop three five j two”]
- [Prop 3.5j $\xrightarrow{\text{pyk}}$ “prop three five j”]
- [Prop 3.7 $\xrightarrow{\text{pyk}}$ “prop three seven”]
- [Prop 3.7a $\xrightarrow{\text{pyk}}$ “prop three seven a”]
- [Prop 3.7b $\xrightarrow{\text{pyk}}$ “prop three seven b”]
- [Prop 3.7c $\xrightarrow{\text{pyk}}$ “prop three seven c”]
- [Prop 3.7d $\xrightarrow{\text{pyk}}$ “prop three seven d”]
- [Prop 3.7e $\xrightarrow{\text{pyk}}$ “prop three seven e”]
- [Prop 3.7f $\xrightarrow{\text{pyk}}$ “prop three seven f”]
- [Prop 3.7g $\xrightarrow{\text{pyk}}$ “prop three seven g”]
- [Prop 3.7g' $\xrightarrow{\text{pyk}}$ “prop three seven g mark”]
- [Prop 3.7h $\xrightarrow{\text{pyk}}$ “prop three seven h”]
- [Prop 3.7i $\xrightarrow{\text{pyk}}$ “prop three seven i”]
- [Prop 3.7j $\xrightarrow{\text{pyk}}$ “prop three seven j”]
- [Prop 3.7k $\xrightarrow{\text{pyk}}$ “prop three seven k”]
- [Prop 3.7k' $\xrightarrow{\text{pyk}}$ “prop three seven k mark”]
- [Prop 3.7l $\xrightarrow{\text{pyk}}$ “prop three seven l”]
- [Prop 3.7l' $\xrightarrow{\text{pyk}}$ “prop three seven l mark”]
- [Prop 3.7m $\xrightarrow{\text{pyk}}$ “prop three seven m”]
- [Prop 3.7n $\xrightarrow{\text{pyk}}$ “prop three seven n”]
- [Prop 3.7o $\xrightarrow{\text{pyk}}$ “prop three seven o”]
- [Prop 3.7p $\xrightarrow{\text{pyk}}$ “prop three seven p”]

- [Prop 3.7q $\xrightarrow{\text{pyk}}$ “prop three seven q”]
 [Prop 3.7r $\xrightarrow{\text{pyk}}$ “prop three seven r”]
 [Prop 3.7s $\xrightarrow{\text{pyk}}$ “prop three seven s”]
 [Prop 3.7t $\xrightarrow{\text{pyk}}$ “prop three seven t”]
 [Prop 3.7u $\xrightarrow{\text{pyk}}$ “prop three seven u”]
 [Prop 3.7u' $\xrightarrow{\text{pyk}}$ “prop three seven u mark”]
 [Prop 3.7v $\xrightarrow{\text{pyk}}$ “prop three seven v”]
 [Prop 3.7w $\xrightarrow{\text{pyk}}$ “prop three seven w”]
 [Prop 3.7x $\xrightarrow{\text{pyk}}$ “prop three seven x”]
 [Prop 3.7x' $\xrightarrow{\text{pyk}}$ “prop three seven x mark”]
 [Prop 3.7y $\xrightarrow{\text{pyk}}$ “prop three seven y”]
 [Prop 3.7y' $\xrightarrow{\text{pyk}}$ “prop three seven y mark”]
 [Prop 3.7z $\xrightarrow{\text{pyk}}$ “prop three seven z”]
 [Prop 3.7z' $\xrightarrow{\text{pyk}}$ “prop three seven z mark”]
 [Prop 3.10 $\xrightarrow{\text{pyk}}$ “prop three ten”]
 [Prop 3.10a $\xrightarrow{\text{pyk}}$ “prop three ten a”]
 [Prop 3.10b $\xrightarrow{\text{pyk}}$ “prop three ten b”]
 [Prop 3.10c $\xrightarrow{\text{pyk}}$ “prop three ten c”]
 [Prop 3.10d $\xrightarrow{\text{pyk}}$ “prop three ten d”]
 [Prop 3.10e $\xrightarrow{\text{pyk}}$ “prop three ten e”]
 [Prop 3.10f $\xrightarrow{\text{pyk}}$ “prop three ten f”]
 [Prop 3.10g $\xrightarrow{\text{pyk}}$ “prop three ten g”]
 [Prop 3.10h $\xrightarrow{\text{pyk}}$ “prop three ten h”]
 [Prop 3.11 $\xrightarrow{\text{pyk}}$ “prop three eleven”]
 [* < * $\xrightarrow{\text{pyk}}$ “" ist ””]
 [* ≤ * $\xrightarrow{\text{pyk}}$ “" istq ””]
 [* < * $\xrightarrow{\text{pyk}}$ “" inst ””]
 [* > * $\xrightarrow{\text{pyk}}$ “" igt ””]
 [* ≥ * $\xrightarrow{\text{pyk}}$ “" igtq ””]
 [* > * $\xrightarrow{\text{pyk}}$ “" ingt ””]
 [* ≠ * $\xrightarrow{\text{pyk}}$ “" neq ””]
 [* ∧ * $\xrightarrow{\text{pyk}}$ “" and1 ””]
 [* ∨ * $\xrightarrow{\text{pyk}}$ “" or1 ””]
 [∃*: * $\xrightarrow{\text{pyk}}$ “exists " indeed ””]
 [* | * $\xrightarrow{\text{pyk}}$ “" divides ””]

[*... $\xrightarrow{\text{pyk}}$ “`“\ldots”`”]
 [opgave $\xrightarrow{\text{pyk}}$ “opgave”]
)^P

3 T_EX definitions

[$\exists x: y \stackrel{\text{tex}}{=} \text{“}$
 $\quad \backslash\text{exists \#1.}$
 $\quad \backslash\text{colon \#2.} \text{”}$]

[S10 $\stackrel{\text{tex}}{=} \text{“}$
 $\quad \text{S10} \text{”}$]

[$x | y \stackrel{\text{tex}}{=} \text{“}\#1.$
 $\quad \backslash\text{mathrel}\{\mid\} \#2. \text{”}$]

[Prop 3.2 $\stackrel{\text{tex}}{=} \text{“}$
 $\quad \text{Prop}\backslash 3.2 \text{”}$]

[Prop 3.2i $\stackrel{\text{tex}}{=} \text{“}$
 $\quad \text{Prop}\backslash 3.2i \text{”}$]

[Prop 3.2j $\stackrel{\text{tex}}{=} \text{“}$
 $\quad \text{Prop}\backslash 3.2j \text{”}$]

[Prop 3.2j₁ $\stackrel{\text{tex}}{=} \text{“}$
 $\quad \text{Prop}\backslash 3.2j_1 \text{”}$]

[Prop 3.2j₂ $\stackrel{\text{tex}}{=} \text{“}$
 $\quad \text{Prop}\backslash 3.2j_2 \text{”}$]

[Prop 3.2k $\stackrel{\text{tex}}{=} \text{“}$
 $\quad \text{Prop}\backslash 3.2k \text{”}$]

[Prop 3.2k₁ $\stackrel{\text{tex}}{=} \text{“}$
 $\quad \text{Prop}\backslash 3.2k_1 \text{”}$]

[Prop 3.2k₂ $\stackrel{\text{tex}}{=} \text{“}$
 $\quad \text{Prop}\backslash 3.2k_2 \text{”}$]

[Prop 3.2l $\stackrel{\text{tex}}{=} \text{“}$
 $\quad \text{Prop}\backslash 3.2l \text{”}$]

[Prop 3.2l₁ $\stackrel{\text{tex}}{=} \text{“}$
 $\quad \text{Prop}\backslash 3.2l_1 \text{”}$]

[Prop 3.2l₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.2l_2”]

[Prop 3.2m $\stackrel{\text{tex}}{=} “$
Prop\ 3.2m”]

[Prop 3.2m₁ $\stackrel{\text{tex}}{=} “$
Prop\ 3.2m_1”]

[Prop 3.2m₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.2m_2”]

[Prop 3.2n $\stackrel{\text{tex}}{=} “$
Prop\ 3.2n”]

[Prop 3.2n₁ $\stackrel{\text{tex}}{=} “$
Prop\ 3.2n_1”]

[Prop 3.2n₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.2n_2”]

[Prop 3.2o $\stackrel{\text{tex}}{=} “$
Prop\ 3.2o”]

[Prop 3.4 $\stackrel{\text{tex}}{=} “$
Prop\ 3.4”]

[Prop 3.4a₁ $\stackrel{\text{tex}}{=} “$
Prop\ 3.4a_1”]

[Prop 3.4a₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.4a_2”]

[Prop 3.4a $\stackrel{\text{tex}}{=} “$
Prop\ 3.4a”]

[Prop 3.4b $\stackrel{\text{tex}}{=} “$
Prop\ 3.4b”]

[Prop 3.4c₁ $\stackrel{\text{tex}}{=} “$
Prop\ 3.4c_1”]

[Prop 3.4c₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.4c_2”]

[Prop 3.4c $\stackrel{\text{tex}}{=} “$
Prop\ 3.4c”]

[Prop 3.4d₁ $\stackrel{\text{tex}}{=} “$
Prop\ 3.4d_1”]

[Prop 3.4d₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.4d_2”]

[Prop 3.4d $\stackrel{\text{tex}}{=} “$
Prop\ 3.4d”]

[Prop 3.5 $\stackrel{\text{tex}}{=} “$
Prop\ 3.5”]

[Prop 3.5a $\stackrel{\text{tex}}{=} “$
Prop\ 3.5a”]

[Prop 3.5b $\stackrel{\text{tex}}{=} “$
Prop\ 3.5b”]

[Prop 3.5c $\stackrel{\text{tex}}{=} “$
Prop\ 3.5c”]

[Prop 3.5d₁ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5d_1”]

[Prop 3.5d₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5d_2”]

[Prop 3.5d $\stackrel{\text{tex}}{=} “$
Prop\ 3.5d”]

[Prop 3.5e₁ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5e_1”]

[Prop 3.5e₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5e_2”]

[Prop 3.5e $\stackrel{\text{tex}}{=} “$
Prop\ 3.5e”]

[Prop 3.5f₁ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5f_1”]

[Prop 3.5f₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5f_2”]

[Prop 3.5f $\stackrel{\text{tex}}{=} “$
Prop\ 3.5f”]

[Prop 3.5g₁ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5g_1”]

[Prop 3.5g₄ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5g_4”]

[Prop 3.5g₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5g_2”]

[Prop 3.5g₃ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5g_3”]

[Prop 3.5g $\stackrel{\text{tex}}{=} “$
Prop\ 3.5g”]

[Prop 3.5h₁ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5h_1”]

[Prop 3.5h₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5h_2”]

[Prop 3.5h $\stackrel{\text{tex}}{=} “$
Prop\ 3.5h”]

[Prop 3.5i₁ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5i_1”]

[Prop 3.5i₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5i_2”]

[Prop 3.5i $\stackrel{\text{tex}}{=} “$
Prop\ 3.5i”]

[Prop 3.5j₁ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5j_1”]

[Prop 3.5j₂ $\stackrel{\text{tex}}{=} “$
Prop\ 3.5j_2”]

[Prop 3.5j $\stackrel{\text{tex}}{=} “$
Prop\ 3.5j”]

[Prop 3.7 $\stackrel{\text{tex}}{=} “$
Prop\ 3.7”]

[Prop 3.7a $\stackrel{\text{tex}}{=} “$
Prop\ 3.7a”]

[Prop 3.7b $\stackrel{\text{tex}}{=} “$
Prop\ 3.7b”]

[Prop 3.7c $\stackrel{\text{tex}}{=} “$
Prop\ 3.7c”]

[Prop 3.7d $\stackrel{\text{tex}}{=} “$
Prop\ 3.7d”]

[Prop 3.7e $\stackrel{\text{tex}}{=} “$
Prop\ 3.7e”]

[Prop 3.7f $\stackrel{\text{tex}}{=} “$
Prop\ 3.7f”]

[Prop 3.7g $\stackrel{\text{tex}}{=} “$
Prop\ 3.7g”]

[Prop 3.7g' $\stackrel{\text{tex}}{=} “$
Prop\ 3.7g”]

[Prop 3.7h $\stackrel{\text{tex}}{=} “$
Prop\ 3.7h”]

[Prop 3.7i $\stackrel{\text{tex}}{=} “$
Prop\ 3.7i”]

[Prop 3.7j $\stackrel{\text{tex}}{=} “$
Prop\ 3.7j”]

[Prop 3.7k $\stackrel{\text{tex}}{=} “$
Prop\ 3.7k”]

[Prop 3.7k' $\stackrel{\text{tex}}{=} “$
Prop\ 3.7k”]

[Prop 3.7l $\stackrel{\text{tex}}{=} “$
Prop\ 3.7l”]

[Prop 3.7l' $\stackrel{\text{tex}}{=} “$
Prop\ 3.7l”]

[Prop 3.7m $\stackrel{\text{tex}}{=} “$
Prop\ 3.7m”]

[Prop 3.7n $\stackrel{\text{tex}}{=} “$
Prop\ 3.7n”]

[Prop 3.7o $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7o”]

[Prop 3.7p $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7p”]

[Prop 3.7q $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7q”]

[Prop 3.7r $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7r”]

[Prop 3.7s $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7s”]

[Prop 3.7t $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7t”]

[Prop 3.7u $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7u”]

[Prop 3.7u' $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7u'”]

[Prop 3.7v $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7v”]

[Prop 3.7w $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7w”]

[Prop 3.7x $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7x”]

[Prop 3.7x' $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7x'”]

[Prop 3.7y $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7y”]

[Prop 3.7y' $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7y'”]

[Prop 3.7z $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7z”]

[Prop 3.7z' $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.7z'”]

[Prop 3.10 $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.10”]

[Prop 3.10a $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.10a”]

[Prop 3.10b $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.10b”]

[Prop 3.10c $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.10c”]

[Prop 3.10d $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.10d”]

[Prop 3.10e $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.10e”]

[Prop 3.10f $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.10f”]

[Prop 3.10g $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.10g”]

[Prop 3.10h $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.10h”]

[Prop 3.11 $\stackrel{\text{tex}}{=} \text{“}$
Prop\ 3.11”]

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

[R1 $\stackrel{\text{tex}}{=} \text{“}$
R1”]

[R2 $\stackrel{\text{tex}}{=} \text{“}$
R2”]

[R3 $\stackrel{\text{tex}}{=} \text{“}$
R3”]

[R4 $\stackrel{\text{tex}}{=} \text{“}$
R4”]

[R5 $\stackrel{\text{tex}}{=} \text{“}$
R5”]

[R6 $\stackrel{\text{tex}}{=} \text{“ R6”}$]

[Con1 $\stackrel{\text{tex}}{=} \text{“ Con1”}$]

[Con2 $\stackrel{\text{tex}}{=} \text{“ Con2”}$]

[Dis1 $\stackrel{\text{tex}}{=} \text{“ Dis1”}$]

[Dis2 $\stackrel{\text{tex}}{=} \text{“ Dis2”}$]

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

[Lem1.11c $\stackrel{\text{tex}}{=} \text{“ Lem 1.11c”}$]

[Lem1.11a $\stackrel{\text{tex}}{=} \text{“ Lem 1.11a”}$]

[Lem1.11b $\stackrel{\text{tex}}{=} \text{“ Lem 1.11b”}$]

[H3 $\stackrel{\text{tex}}{=} \text{“ H3”}$]

[Prop3.2c' $\stackrel{\text{tex}}{=} \text{“ Prop 3.2c”}$]

[S1'' $\stackrel{\text{tex}}{=} \text{“ S1'''”}$]

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

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

[Lem1.11e $\stackrel{\text{tex}}{=} \text{“ Lem 1.11e”}$]

[Lem1.11d $\stackrel{\text{tex}}{=} \text{“ Lem 1.11d”}$]

[Prop3.2b' $\stackrel{\text{tex}}{=} \text{“}$
Prop 3.2b”]

[H10 $\stackrel{\text{tex}}{=} \text{“}$
H10”]

[H11 $\stackrel{\text{tex}}{=} \text{“}$
H11”]

[Lem1.11g $\stackrel{\text{tex}}{=} \text{“}$
Lem 1.11g”]

[Cor1.10a $\stackrel{\text{tex}}{=} \text{“}$
Cor 1.10a”]

[Cor1.10b $\stackrel{\text{tex}}{=} \text{“}$
Cor 1.10b”]

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

[$x < y \stackrel{\text{tex}}{=} \text{“}$ #1.
< #2.”]

[$x \leq y \stackrel{\text{tex}}{=} \text{“}$ #1.
\leq #2.”]

[$x \not< y \stackrel{\text{tex}}{=} \text{“}$ #1.
\not < #2.”]

[$x > y \stackrel{\text{tex}}{=} \text{“}$ #1.
> #2.”]

[$x \geq y \stackrel{\text{tex}}{=} \text{“}$ #1.
\geq #2.”]

[$x \not> y \stackrel{\text{tex}}{=} \text{“}$ #1.
\not > #2.”]

[$x \neq y \stackrel{\text{tex}}{=} \text{“}$ #1.
\neq #2.”]

[$x \dots \stackrel{\text{tex}}{=} \text{“}$ #1.
\ldots”]

[$x \wedge y \stackrel{\text{tex}}{=} \text{“}$ #1.
\wedge #2.”]

[$x \vee y \stackrel{\text{tex}}{=} \text{“}$ #1.
\vee #2.”]

3.1 Variables

4 Numerals

$[x \neq y \doteq \neg(x = y)]$
 $[\overline{0} \doteq 0] [\overline{1} \doteq 0'] [\overline{2} \doteq 0''] [\overline{3} \doteq 0'''] [\overline{4} \doteq 0''''] [\overline{5} \doteq 0'''''] [\overline{6} \doteq 0''''''] [\overline{7} \doteq 0''''''']$
 $[\overline{8} \doteq 0''''''''] [\overline{9} \doteq 0''''''''']$
 $[\overline{0} \stackrel{\text{tex}}{\equiv} \text{“} \overline{0} \text{”}]$
 $[\overline{1} \stackrel{\text{tex}}{\equiv} \text{“} \overline{1} \text{”}]$
 $[\overline{2} \stackrel{\text{tex}}{\equiv} \text{“} \overline{2} \text{”}]$
 $[\overline{3} \stackrel{\text{tex}}{\equiv} \text{“} \overline{3} \text{”}]$
 $[\overline{4} \stackrel{\text{tex}}{\equiv} \text{“} \overline{4} \text{”}]$
 $[\overline{5} \stackrel{\text{tex}}{\equiv} \text{“} \overline{5} \text{”}]$
 $[\overline{6} \stackrel{\text{tex}}{\equiv} \text{“} \overline{6} \text{”}]$
 $[\overline{7} \stackrel{\text{tex}}{\equiv} \text{“} \overline{7} \text{”}]$
 $[\overline{8} \stackrel{\text{tex}}{\equiv} \text{“} \overline{8} \text{”}]$
 $[\overline{9} \stackrel{\text{tex}}{\equiv} \text{“} \overline{9} \text{”}]$
 $[\overline{n} \stackrel{\text{tex}}{\equiv} \text{“} \overline{n} \text{”}]$

5 Priority table

Priority table

Preassociative

$[\text{opgave}], [\text{base}], [\text{bracket } * \text{ end bracket}], [\text{big bracket } * \text{ end bracket}], [\$ * \$],$
 $[\text{flush left } *], [x], [y], [z], [[* \bowtie *]], [[* \xrightarrow{*} *]], [\text{pyk}], [\text{tex}], [\text{name}], [\text{prio}], [*], [T],$
 $[\text{if}(*, *, *)], [[* \xrightarrow{*} *]], [\text{val}], [\text{claim}], [\perp], [f(*)], [(*)^1], [F], [0], [1], [2], [3], [4], [5], [6],$
 $[7], [8], [9], [0], [1], [2], [3], [4], [5], [6], [7], [8], [9], [a], [b], [c], [d], [e], [f], [g], [h], [i], [j],$
 $[k], [l], [m], [n], [o], [p], [q], [r], [s], [t], [u], [v], [w], [(*)^M], [\text{If}(*, *, *)],$
 $[\text{array}\{*\} * \text{end array}], [l], [c], [r], [\text{empty}], [(< * | * := *)], [\mathcal{M}(*)], [\tilde{\mathcal{U}}(*)], [\mathcal{U}(*)],$
 $[\mathcal{U}^M(*)], [\text{apply}(*, *)], [\text{apply}_1(*, *)], [\text{identifier}(*)], [\text{identifier}_1(*, *)], [\text{array-}$
 $\text{plus}(*, *)], [\text{array-remove}(*, *, *)], [\text{array-put}(*, *, *, *)], [\text{array-add}(*, *, *, *, *)],$
 $[\text{bit}(*, *)], [\text{bit}_1(*, *)], [\text{rack}], [\"vector\"], [\"bibliography\"], [\"dictionary\"],$
 $[\"body\"], [\"codex\"], [\"expansion\"], [\"code\"], [\"cache\"], [\"diagnose\"], [\"pyk\"],$
 $[\"tex\"], [\"texname\"], [\"value\"], [\"message\"], [\"macro\"], [\"definition\"],$
 $[\"unpack\"], [\"claim\"], [\"priority\"], [\"lambda\"], [\"apply\"], [\"true\"], [\"if\"],$
 $[\"quote\"], [\"proclaim\"], [\"define\"], [\"introduce\"], [\"hide\"], [\"pre\"], [\"post\"],$
 $[\mathcal{E}(*, *, *)], [\mathcal{E}_2(*, *, *, *, *)], [\mathcal{E}_3(*, *, *, *, *)], [\mathcal{E}_4(*, *, *, *, *)], [\text{lookup}(*, *, *)],$
 $[\text{abstract}(*, *, *, *)], [[*]], [\mathcal{M}(*, *, *)], [\mathcal{M}_2(*, *, *, *)], [\mathcal{M}^*(*, *, *)], [\text{macro}],$
 $[s_0], [\text{zip}(*, *)], [\text{assoc}_1(*, *, *)], [(*)^P], [\text{self}], [[* \doteq]], [[* \dot{=}]], [[* \dot{=} *]],$
 $[[* \stackrel{\text{pyk}}{\equiv} *]], [[* \stackrel{\text{tex}}{\equiv} *]], [[* \stackrel{\text{name}}{\equiv} *]], [\text{Priority table}[*]], [\tilde{\mathcal{M}}_1], [\tilde{\mathcal{M}}_2(*)], [\tilde{\mathcal{M}}_3(*)],$
 $[\tilde{\mathcal{M}}_4(*, *, *, *)], [\mathcal{M}(*, *, *)], [\mathcal{Q}(*, *, *)], [\mathcal{Q}_2(*, *, *)], [\mathcal{Q}_3(*, *, *, *)], [\mathcal{Q}^*(*, *, *)],$

$[(*)], [(*), [\text{display}(*)], [\text{statement}(*)], [[*]'], [[*]^-], [\text{aspect}(*, *)],$
 $[\text{aspect}(*, *, *)], [(*)], [\text{tuple}_1(*)], [\text{tuple}_2(*)], [\text{let}_2(*, *)], [\text{let}_1(*, *, *)],$
 $[[* \stackrel{\text{claim}}{=} *]], [\text{checker}], [\text{check}(*, *)], [\text{check}_2(*, *, *)], [\text{check}_3(*, *, *, *)],$
 $[\text{check}^*(*, *)], [\text{check}_2^*(*, *, *)], [[*]'], [[*]^-], [[*]^\circ], [\text{msg}], [[* \stackrel{\text{msg}}{=} *]], [<\text{stmt}>],$
 $[\text{stmt}], [[* \stackrel{\text{stmt}}{=} *]], [\text{HeadNil}'], [\text{HeadPair}'], [\text{Transitivity}'], [\perp], [\text{Contra}'], [T_E],$
 $[L_1], [*, [A], [B], [C], [D], [E], [F], [G], [H], [I], [J], [K], [L], [M], [N], [O], [P], [Q],$
 $[R], [S], [T], [U], [V], [W], [X], [Y], [Z], [(* * := *)], [(* * * := *)], [\emptyset], [\text{Remainder}],$
 $[(*^\vee)], [\text{intro}(*, *, *, *)], [\text{intro}(*, *, *)], [\text{error}(*, *)], [\text{error}_2(*, *)], [\text{proof}(*, *, *)],$
 $[\text{proof}_2(*, *)], [S(*, *)], [S^I(*, *)], [S^\triangleright(*, *)], [S^\triangleright^I(*, *, *)], [S^E(*, *)], [S^E_I(*, *, *)],$
 $[S^+(*, *)], [S^+_I(*, *, *)], [S^-(*, *)], [S^-_I(*, *, *)], [S^*(*, *)], [S^*_I(*, *, *)],$
 $[S^*_2(*, *, *, *)], [S^\oplus(*, *)], [S^\oplus_I(*, *, *)], [S^+(*, *)], [S^+_I(*, *, *, *)], [S^{\#}(*, *)],$
 $[S^{\#}_I(*, *, *, *)], [S^{\text{i.e.}}(*, *)], [S^{\text{i.e.}}_I(*, *, *, *)], [S^{\text{i.e.}}_2(*, *, *, *, *)], [S^\vee(*, *)],$
 $[S^\vee_I(*, *, *, *)], [S^i(*, *)], [S^i_I(*, *, *)], [S^j_2(*, *, *, *)], [T(*)], [\text{claims}(*, *, *)],$
 $[\text{claims}_2(*, *, *)], [<\text{proof}>], [\text{proof}], [[\text{Lemma } * : *]], [[\text{Proof of } * : *]],$
 $[[* \text{ lemma } * : *]], [[* \text{ antilemma } * : *]], [[* \text{ rule } * : *]], [[* \text{ antirule } * : *]],$
 $[\text{verifier}], [\mathcal{V}_1(*)], [\mathcal{V}_2(*, *)], [\mathcal{V}_3(*, *, *, *)], [\mathcal{V}_4(*, *)], [\mathcal{V}_5(*, *, *, *)], [\mathcal{V}_6(*, *, *, *)],$
 $[\mathcal{V}_7(*, *, *, *)], [\text{Cut}(*, *)], [\text{Head}_\oplus(*)], [\text{Tail}_\oplus(*)], [\text{rule}_1(*, *)], [\text{rule}(*, *)],$
 $[\text{Rule tactic}], [\text{Plus}(*, *)], [[\text{Theory } *]], [\text{theory}_2(*, *)], [\text{theory}_3(*, *)],$
 $[\text{theory}_4(*, *, *)], [\text{HeadNil}''], [\text{HeadPair}''], [\text{Transitivity}''], [\text{Contra}''], [\text{HeadNil}],$
 $[\text{HeadPair}], [\text{Transitivity}], [\text{Contra}], [T_E], [\text{ragged right}],$
 $[\text{ragged right expansion }], [\text{parm}(*, *, *)], [\text{parm}^*(*, *, *)], [\text{inst}(*, *)],$
 $[\text{inst}^*(*, *)], [\text{occur}(*, *, *)], [\text{occur}^*(*, *, *)], [\text{unify}(* = *, *)], [\text{unify}^*(* = *, *)],$
 $[\text{unify}_2(* = *, *)], [L_a], [L_b], [L_c], [L_d], [L_e], [L_f], [L_g], [L_h], [L_i], [L_j], [L_k], [L_l], [L_m],$
 $[L_n], [L_o], [L_p], [L_q], [L_r], [L_s], [L_t], [L_u], [L_v], [L_w], [L_x], [L_y], [L_z], [L_A], [L_B], [L_C],$
 $[L_D], [L_E], [L_F], [L_G], [L_H], [L_I], [L_J], [L_K], [L_L], [L_M], [L_N], [L_O], [L_P], [L_Q], [L_R],$
 $[L_S], [L_T], [L_U], [L_V], [L_W], [L_X], [L_Y], [L_Z], [L_?], [\text{Reflexivity}], [\text{Reflexivity}_1],$
 $[\text{Commutativity}], [\text{Commutativity}_1], [<\text{tactic}>], [\text{tactic}], [[* \stackrel{\text{tactic}}{=} *]], [\mathcal{P}(*, *, *)],$
 $[\mathcal{P}^*(*, *, *)], [p_0], [\text{conclude}_1(*, *)], [\text{conclude}_2(*, *, *)], [\text{conclude}_3(*, *, *, *)],$
 $[\text{conclude}_4(*, *)], [\text{check}], [[* \stackrel{\circ}{=} *]], [\text{RootVisible}(*)], [A], [R], [C], [T], [L], [(*)], [(*)],$
 $[a], [b], [c], [d], [e], [f], [g], [h], [i], [j], [k], [l], [m], [n], [o], [p], [q], [r], [s], [t], [u], [v],$
 $[w], [x], [y], [z], [(* \equiv * | * := *)], [(* \equiv^0 * | * := *)], [(* \equiv^1 * | * := *)], [(* \equiv^* * | * := *)],$
 $[\text{Ded}(*, *)], [\text{Ded}_0(*, *)], [\text{Ded}_1(*, *, *)], [\text{Ded}_2(*, *, *)], [\text{Ded}_3(*, *, *, *)],$
 $[\text{Ded}_4(*, *, *, *)], [\text{Ded}_4^*(*, *, *, *)], [\text{Ded}_5(*, *, *)], [\text{Ded}_6(*, *, *, *)],$
 $[\text{Ded}_6^*(*, *, *, *)], [\text{Ded}_7(*)], [\text{Ded}_8(*, *)], [\text{Ded}_8^*(*, *)], [S], [Neg], [MP], [Gen],$
 $[\text{Ded}], [S1], [S2], [S3], [S4], [S5], [S6], [S7], [S8], [S9], [\text{Repetition}], [A1'], [A2'], [A4'],$
 $[A5'], [\text{Prop 3.2a}], [\text{Prop 3.2b}], [\text{Prop 3.2c}], [\text{Prop 3.2d}], [\text{Prop 3.2e}_1],$
 $[\text{Prop 3.2e}_2], [\text{Prop 3.2e}], [\text{Prop 3.2f}_1], [\text{Prop 3.2f}_2], [\text{Prop 3.2f}], [\text{Prop 3.2g}_1],$
 $[\text{Prop 3.2g}_2], [\text{Prop 3.2g}], [\text{Prop 3.2h}_1], [\text{Prop 3.2h}_2], [\text{Prop 3.2h}],$
 $[\text{Block}_1(*, *, *)], [\text{Block}_2(*)], [0], [1], [2], [3], [4], [5], [6], [7], [8], [9], [\bar{n}], [\text{rule div}],$
 $[R], [R1], [R2], [R3], [R4], [R5], [R6], [\text{Con1}], [\text{Con2}], [\text{Con}], [\text{Dis1}], [\text{Dis2}],$
 $[\text{Lem1.11c}], [\text{Cor1.10a}], [\text{Cor1.10b}], [\text{Lem1.11a}], [\text{Lem1.11b}], [H3], [\text{Prop3.2c}'],$
 $[S1''], [\text{Neg}'], [\text{Repetition}'], [\text{Lem1.11e}], [\text{Lem1.11d}], [\text{Prop3.2b}'], [H10], [H11],$
 $[\text{Lem1.11g}], [\text{MT}], [S10], [\text{Prop 3.2}], [\text{Prop 3.2i}], [\text{Prop 3.2j}_1], [\text{Prop 3.2j}_2],$
 $[\text{Prop 3.2j}], [\text{Prop 3.2k}_1], [\text{Prop 3.2k}_2], [\text{Prop 3.2k}], [\text{Prop 3.2l}_1], [\text{Prop 3.2l}_2],$
 $[\text{Prop 3.2l}], [\text{Prop 3.2m}_1], [\text{Prop 3.2m}_2], [\text{Prop 3.2m}], [\text{Prop 3.2n}_1], [\text{Prop 3.2n}_2],$

[Prop 3.2n], [Prop 3.2o], [Prop 3.4], [Prop 3.4a₁], [Prop 3.4a₂], [Prop 3.4a],
 [Prop 3.4b], [Prop 3.4c₁], [Prop 3.4c₂], [Prop 3.4c], [Prop 3.4d₁], [Prop 3.4d₂],
 [Prop 3.4d], [Prop 3.5], [Prop 3.5a], [Prop 3.5b], [Prop 3.5c], [Prop 3.5d₁],
 [Prop 3.5d₂], [Prop 3.5d], [Prop 3.5e₁], [Prop 3.5e₂], [Prop 3.5e], [Prop 3.5f₁],
 [Prop 3.5f₂], [Prop 3.5f], [Prop 3.5g₁], [Prop 3.5g₄], [Prop 3.5g₂], [Prop 3.5g₃],
 [Prop 3.5g], [Prop 3.5h₁], [Prop 3.5h₂], [Prop 3.5h], [Prop 3.5i₁], [Prop 3.5i₂],
 [Prop 3.5i], [Prop 3.5j₁], [Prop 3.5j₂], [Prop 3.5j], [Prop 3.7], [Prop 3.7a],
 [Prop 3.7b], [Prop 3.7c], [Prop 3.7d], [Prop 3.7e], [Prop 3.7f], [Prop 3.7g],
 [Prop 3.7g'], [Prop 3.7h], [Prop 3.7i], [Prop 3.7j], [Prop 3.7k], [Prop 3.7k'],
 [Prop 3.7l], [Prop 3.7l'], [Prop 3.7m], [Prop 3.7n], [Prop 3.7o], [Prop 3.7p],
 [Prop 3.7q], [Prop 3.7r], [Prop 3.7s], [Prop 3.7t], [Prop 3.7u], [Prop 3.7u'],
 [Prop 3.7v], [Prop 3.7w], [Prop 3.7x], [Prop 3.7x'], [Prop 3.7y], [Prop 3.7y'],
 [Prop 3.7z], [Prop 3.7z'], [Prop 3.10], [Prop 3.10a], [Prop 3.10b], [Prop 3.10c],
 [Prop 3.10d], [Prop 3.10e], [Prop 3.10f], [Prop 3.10g], [Prop 3.10h], [Prop 3.11];

Preassociative

[*_{}], [*/indexintro(*, *, *, *)], [*/intro(*, *, *)], [*/bothintro(*, *, *, *)],
 [*/nameintro(*, *, *, *)], [*/], [*[*]], [*[* → *]], [*[* ⇒ *]], [*0], [*1], [0b], [*_color(*)],
 [*_color*(*)], [*^H], [*^T], [*^U], [*^h], [*^t], [*^s], [*^c], [*^d], [*^a], [*^C], [*^M], [*^B], [*^f], [*ⁱ],
 [*^d], [*^R], [*⁰], [*¹], [*²], [*³], [*⁴], [*⁵], [*⁶], [*⁷], [*⁸], [*⁹], [*^E], [*^V], [*^C], [*^{C*}],
 [*_hide];

Preassociative

[“ * ”], [], [(*)^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

[*];

Preassociative

[* · *], [* ·₀ *];

Preassociative

[* + *], [* +₀ *], [* +₁ *], [* - *], [* -₀ *], [* -₁ *];

Preassociative

[* ∪ { * }], [* ∪ *], [* \ { * }];

Postassociative

[* · : *], [* · : : *], [* :: *], [* +2 * *], [* :: *], [* +2 * *];

Postassociative

[* , *];

Preassociative

$[* \overset{B}{\approx} *], [* \overset{D}{\approx} *], [* \overset{C}{\approx} *], [* \overset{P}{\approx} *], [* \approx *], [* = *], [* \dagger *], [* \overset{t}{=} *], [* \overset{r}{=} *],$
 $[* \in_t *], [* \subseteq_T *], [* \overset{T}{=} *], [* \overset{s}{=} *], [* \text{ free in } *], [* \text{ free in}^* *], [* \text{ free for } * \text{ in } *],$
 $[* \text{ free for}^* * \text{ in } *], [* \in_c *], [* < *], [* <' *], [* \leq' *], [* = *], [* \neq *], [*^{\text{var}}],$
 $[* \#^0 *], [* \#^1 *], [* \#^* *], [* < *], [* \leq *], [* \not< *], [* > *], [* \geq *], [* \not> *], [* \neq *];$

Preassociative

$[\neg *];$

Preassociative

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

Preassociative

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

Preassociative

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

Postassociative

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

Postassociative

$[* : *], [* \text{ spy } *], [* ! *];$

Preassociative

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

Preassociative

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

Preassociative

$[* \# *];$

Preassociative

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

Preassociative

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

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

[**], [* linebreak[4] *], [**], [* | *], [* ...]; **End table**