fmocdmac — FM's OCD LATEX Macro*

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Abstract

This package contains almost all the latex macros I heavily use in my tcs research activity and, in particular, in the writing of conference and journal articles. As few of my co-authors have kindly pointed out, and probably many have thought, they are somehow a clear expression of an underlying ocd-like behavior... hence the name!

1 Implementation & Usage

1 (*package)

Required external packages:

```
2
3 \RequirePackage{etoolbox}
4
5 \RequirePackage{xargs}
6 \RequirePackage{xspace}
7 \RequirePackage{stringstrings}
```

Package options:

```
10 %% Auxiliary packages
11 \newif\ifaux@ \aux@false
12 \DeclareOption{aux}{\aux@true}
13 \DeclareOption{noaux}{\aux@false}
15 %% AMS defaults
16 \newif\ifamsdef@ \amsdef@true
17 \DeclareOption{noamsdef}{\amsdef@false}
19 %% AMS theorem tools
20 \newif\ifamsthm@ \amsthm@true
21 \DeclareOption{noamsthm}{\amsthm@false}
23 %% Extended Theorem tools
24 \newif\ifthmtls@ \thmtls@true
25 \DeclareOption{nothmtls}{\thmtls@false}
27 %% Enumeration tools
28 \newif\ifenmtls@ \enmtls@true
29 \DeclareOption{noenmtls}{\enmtls@false}
31 %% Hyper reference
32 \newif\ifhypref@ \hypref@true
33 \DeclareOption{nohypref}{\hypref@false}
```

^{*}This document describes version v0.31 of the fmocdmac package, last revised 2025/04/21.

```
35 %% Font tools
36 \newif\iffnttls@ \fnttls@true
37 \DeclareOption{nofnttls}{\fnttls@false}
39 %% Camera-ready version
40 \newif\ifcrv@ \crv@false
41 \DeclareOption{crv}{\crv@true}
43 %% Change bars
44 \newif\ifchgbar@ \chgbar@false
45 \DeclareOption{chgbar}{\chgbar@true}
47 %% Line numbers
48 \newif\iflinnum@ \linnum@false
49 \DeclareOption{linnum}{\linnum@true}
51
52 %% Text macro generation
53 \newif\iftxtgen@ \txtgen@false
54 \DeclareOption{txtgen}{\txtgen@true}
55 \DeclareOption{notxtgen}
    {\txtgen@false\txt@false\com@false\gam@false\log@false\aut@false}
57
58 %% Math macro generation
59 \newif\ifmthgen@ \mthgen@false
60 \DeclareOption{mthgen}{\mthgen@true}
61 \DeclareOption{nomthgen}
    {\mthgen@false\mth@false\gam@false\log@false\aut@false}
63
65 %% Elementary macros for text
66 \newif\iftxt@ \txt@false
67 \DeclareOption{txt}{\txt@true\txtgen@true}
68 \label{lem:continuity} $$ \operatorname{DeclareOption}_{notxt}_{\text{txt@false}} $$
69
70 %% Elementary macros for math
71 \newif\ifmth@ \mth@false
72 \DeclareOption{mth}{\mth@true\mthgen@true}
73 \DeclareOption{nomth}{\mth@false}
76 %% Macros for computational-complexity classes
77 \newif\ifcom@ \com@false
78 \DeclareOption{com}{\com@true\txtgen@true}
79 \DeclareOption{nocom}{\com@false}
82 %% Macros for graphs
83 \newif\ifgrp@ \grp@false
84 \end{true} txtgen@true \end{true}
85 \DeclareOption{nogrp}{\grp@false}
87 %% Macros for games
88 \newif\ifgam@ \gam@false
89 \DeclareOption{gam}{\gam@true\txtgen@true\mthgen@true}
90 \DeclareOption{nogam}{\gam@false}
91
92 \%\% Macros for logics
93 \newif\iflog@ \log@false
94 \DeclareOption{log}{\log@true\txtgen@true\mthgen@true}
95 \DeclareOption{nolog}{\log@false}
97 %% Macros for automata
```

```
99 \DeclareOption{aut}{\aut@true\txtgen@true\mthgen@true}
                 100 \DeclareOption{noaut}{\aut@false}
                102
                103 %% Format-related tricks
                 104 \newif\iffrm@ \frm@false
                 105 \DeclareOption{frm}{\frm@true}
                 106 \DeclareOption{nofrm}{\frm@false}
                 108
                 109 %% Figure-related tricks
                 110 \newif\iffig@ \fig@false
                 111 \DeclareOption{fig}{\fig@true}
                 112 \DeclareOption{nofig}{\fig@false}
                113
                114 %% Wrapfig package
                 115 \newif\ifwrpfig@ \wrpfig@true
                 116 \DeclareOption{nowrpfig}{\wrpfig@false}
                 117
                 118
                 119 %% Table-related tricks
                 120 \newif\iftab@ \tab@false
                 121 \DeclareOption{tab}{\tab@true}
                122 \DeclareOption{notab}{\tab@false}
                124
                 125 %% Algorithm-related tricks
                 126 \newif\ifalg@ \alg@false
                 127 \DeclareOption{alg}{\alg@true}
                 128 \DeclareOption{noalg}{\alg@false}
                Option-processing code:
                 131 \ensuremath{\mbox{\mbox{$131$ \colored{\mbox{\mbox{\mbox{\mbox{$131$ \colored{\mbox{\mbox{$131$ \colored{\mbox{$131$ \colored{\mb
                 133 \ExecuteOptions{aux,txtgen,mthgen,txt,mth,com,grp,gam,log,aut}%
                 135 \ProcessOptions\relax%
                 137 \ifcsdef{if@twocolumn}{}{\newif\if@twocolumn}
               Package main body:
                 \omicron Auxiliary Greek lowercase letter: ... to do!
                143 \csdef{omicron}{o}
   \Alpha Auxiliary Greek uppercase letters: ... to do!
         \begin{tabular}{l} $$ \csdef{Alpha}_A} \csdef{Beta}_B \csdef{Epsilon}_E} \csdef{varEpsilon}_E
                 145 \csdef{Zeta}{Z} \csdef{Eta}{H} \csdef{Iota}{I} \csdef{Kappa}{K}
                 146 \csdef{warKappa}{K} \csdef{Mu}{M} \csdef{Nu}{N} \csdef{Omicron}{0}
                 147 \csdef\{Rho\}\{P\} \csdef\{VarRho\}\{P\} \csdef\{Tau\}\{T\} \csdef\{Chi\}\{X\}\}
```

98 \newif\ifaut@ \aut@false

```
Emptiness check: \{A\} evaluates to the empty string, if Argument A is empty,
             and to Argument \langle B \rangle, otherwise.
                 • \empchk{}{B} = ""
                 • \empchk{A}{B} = "B"
              152 \newrobustcmd{\empchk}[2]
                   {\left\{ if \&#1\& else#2\right\} }
    \defval Default value: \defval{\lambda}\{\lambda\\}\{\lambda\\}\\ evaluates to Argument \lambda B\rangle, if Argument \lambda A\rangle is empty, and to
             Argument \langle A \rangle itself, otherwise.
                 • \defval{}{B} = "B"
                 • \defval{A}{B} = "A"
              154 \newrobustcmd{\defval}[2]
                   {\if&#1&#2\else#1\fi}
              \arglef Left extension: \arglef\{\langle A \rangle\} evaluates to the concatenation \langle AB \rangle of the two arguments, if
             Argument \langle B \rangle is non-empty, and to the empty string, otherwise.
                 • \arglef{A}{} = ""
                 • \arglef{A}{B} = "AB"
              157 \newrobustcmd{\arglef}[2]
                   {\empchk{#2}{#1#2}}
    \argrig Right extension: \argrig{\langle A\rangle}\{\langle B\rangle}\ evaluates to the concatenation \langle AB \rangle of the two arguments,
             if Argument \langle A \rangle is non-empty, and to the empty string, otherwise.
                 • \argrig{}{B} = ""
                 • \argrig{A}{B} = "AB"
              159 \newrobustcmd{\argrig}[2]
                  {\empchk{#1}{#1#2}}
    \argmid Middle extension: \argmid{\langle A\rangle}{\langle B\rangle}{\langle C\rangle} evaluates to the concatenation \langle ABC \rangle of the three
             arguments, if Argument \langle B \rangle is non-empty, and to the empty string, otherwise.
                 • \argmid{A}{{}{C} = ""
                 • \argmid{A}{B}{C} = "ABC"
              161 \newrobustcmd{\argmid}[3]
                   {\empchk{#2}{#1#2#3}}
    \argsep Separators: \argsep\{\langle A \rangle\}\{\langle B \rangle\}\{\langle C \rangle\} evaluates to Argument \langle C \rangle, if Argument \langle A \rangle is empty, to
             Argument \langle A \rangle, if Argument \langle C \rangle is empty, and to the concatenation \langle ABC \rangle, otherwise.
                 • \argsep{}{B}{C} = "C"
                 • \argsep{A}{B}{} = "A"
                 • \argsep{A}{}{C} = "AC"
                 • \argsep{A}{B}{C} = "ABC"
              163 \newrobustcmd{\argsep}[3]
                   {\if&#1&#3\else#1\arglef{#2}{#3}\fi}
              \ifstarvar Command star variants: \ifstarvar\{\langle A \rangle\}\{\langle B \rangle\} ... to do!
              166 \newrobustcmd{\ifstarvar}
              167
                   {\@ifstar}
\ifexclavar Command exclamation variants: \ifexclavar\{\langle A \rangle\}\{\langle B \rangle\} ... to do!
              168 \newrobustcmd{\ifexclavar}[1]
                   {\@ifnextchar!{\@firstoftwo{#1}}}
```

```
\ifquestvar Command questionmark variants: \ifquestvar\{\langle A \rangle\}\{\langle B \rangle\} ... to do!
                       170 \newrobustcmd{\ifquestvar}[1]
                                {\@ifnextchar?{\@firstoftwo{#1}}}
                        173 \newrobustcmd{\varcmd}[6]
                                {\expandafter\newcommand\csname gobble#1arg\endcsname[2]
                       175
                                    {\csname check#larg\endcsname%
                       176
                                       {\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\en
                                \expandafter\newcommand\csname check#larg\endcsname[1]
                       177
                                   {\csname @ifnextchar\endcsname%
                       178
                                       \bgroup{\csname gobble#1arg\endcsname{##1}}{#2{##1#5}#6}}%
                       179
                                \expandafter\newcommand\csname#1\endcsname[1]
                       180
                                   {\csname check#1arg\endcsname{#3##1}}}
                       181
                       \seqoftag Sequence of tags: \seqoftag\{\langle A \rangle\}\{\langle B \rangle\}\{\langle C \rangle\} ... to do!
                       183 \newrobustcmd{\seqoftag}[3]
                       184
                                {\@for\itr:={#1}\do%
                       185
                                    {\expandafter\csedef{\itr#2}%
                                       {\noexpand\csname #3\endcsname{\itr}}}
                       186
    \seqofcmd Sequence of commands: \seqofcmd\{\langle A \rangle\}\{\langle B \rangle\}\{\langle C \rangle\} ... to do!
                       187 \newrobustcmd{\seqofcmd}[3]
                               {\@for\itr:={#1}\do%
                                    {\expandafter\csedef{\itr#2}%
                       189
                                       {\noexpand\csname #3\endcsname{\csname \itr\endcsname}}}}
                       190
                       \sequipseqoflatlow Sequence of Latin lowercase letters: \sequipseqoflatlow\{\langle A \rangle\}\{\langle B \rangle\} ... to do!
                       192 \newrobustcmd{\segoflatlow}
                               {\seqoftag{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}}
\seqoflatupp Sequence of Latin uppercase letters: \seqoflatupp\{\langle A \rangle\}\{\langle B \rangle\} ... to do!
                       194 \newrobustcmd{\seqoflatupp}
                               {\seqoftag{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}}
\sequipsequence of Latin letters: \sequipsequence \{\lambda\}\{\lambda\}\\ \...\ to do!
                       196 \newrobustcmd{\seqoflatlet}[2]
                                {\seqoflatlow{#1}{\#2}\seqoflatupp{#1}{\#2}}
                       \seqofgrklow Sequence of Greek lowercase letters: \sqootnote{seqofgrklow} \{\langle A \rangle\} \{\langle B \rangle\} \dots to do!
                       199 \newrobustcmd{\seqofgrklow}
                               {\seqofcmd{alpha,beta,gamma,delta,epsilon,varepsilon,zeta,eta,theta,vartheta,%
                       200
                       201
                                iota, kappa, varkappa, lambda, mu, nu, xi, omicron, pi, varpi, rho, varrho, sigma, %
                               varsigma,tau,upsilon,phi,varphi,chi,psi,omega}}
\seqofgrkupp Sequence of Greek uppercase letters: \seqofgrkupp\{\langle A \rangle\}\{\langle B \rangle\} ... to do!
                       203 \newrobustcmd{\seqofgrkupp}
                               {\seqofcmd{Alpha,Beta,Gamma,Delta,Epsilon,varEpsilon,Zeta,Eta,Theta,varTheta,%
                       204
                                Iota, Kappa, varKappa, Lambda, Mu, Nu, Xi, Omicron, Pi, varPi, Rho, varRho, Sigma, %
                       205
                               varSigma,Tau,Upsilon,Phi,varPhi,Chi,Psi,Omega}}
\seqofgrklet Sequence of Greek letters: \seqofgrklet\{\langle A \rangle\}\{\langle B \rangle\} ... to do!
                       207 \newrobustcmd{\seqofgrklet}[2]
                               {\seqofgrklow{#1}{#2}\seqofgrkupp{#1}{#2}}
```

```
\seqoflow Sequence of lowercase letters: \seqoflow{\langle A \rangle}{\langle B \rangle} ... to do!
                      210 \newrobustcmd{\seqoflow}[2]
                               {\seqoflatlow{#1}{#2}\seqofgrklow{#1}{#2}}
\seqofupp Sequence of uppercase letters: \seqofupp\{\langle A \rangle\}\{\langle B \rangle\} ... to do!
                      212 \newrobustcmd{\seqofupp}[2]
                              {\seqoflatupp{#1}{#2}\seqofgrkupp{#1}{#2}}
\seqoflet Sequence of all letters: \seqoflet\{\langle A \rangle\}\{\langle B \rangle\} ... to do!
                     214 \mbox{ }\mbox{newrobustcmd} \mbox{ }\mbox{seqoflet} \mbox{ } \mbox{ }
                              {\seqoflow{#1}{#2}\seqofupp{#1}{#2}}
                     220 \ifaux@
                     221
                     222 \ifamsdef@
                     223 % AMS Packages
                     224 \RequirePackage{mathtools}
                     225
                               \RequirePackage{amssymb}
                               \RequirePackage{stmaryrd}
                     226
                               \interdisplaylinepenalty=2500
                     227
                     228 \fi
                     229
                     230 \ifamsthm@
                      231 % AMS Theorem Tools
                      232 \RequirePackage{amsthm}
                      233 \fi
                      234
                     235 \ifthmtls@
                     236 % Extended Theorem Tools
                               \RequirePackage{thmtools}
                               \RequirePackage{thm-restate}
                     238
                     239 \fi
                     240
                     241 \ifenmtls@
                     242 % Enumeration Tools
                     243 \RequirePackage{paralist}
                     244 \fi
                     245
                     246 \ifhypref@
                     247
                               % Hyper References
                                \RequirePackage{hyperref}
                     248
                                \hypersetup {
                     249
                                    pdfsubject
                                                                = {},
                     250
                                    pdfkeywords
                                                                = {},
                     251
                                   pdfproducer
                                                                = {},
                      252
                                    pdfcreator
                      253
                                                                = {},
                                    pdfpagemode
                                                              = {UseNone},
                      254
                                    pdfstartview = {FitH},
                      255
                      256
                                    urlcolor
                                                                = {blue},
                     257
                                    colorlinks
                     258 }
                     259 \fi
                     260
                     261 \iffnttls@
                     262 % Font Tools
                     263 \RequirePackage[final]{microtype}
                     264 \fi
```

```
266 \ifcrv@
         % Camera-Ready Version
      268
      269
          %%...
      270
      271 \else
         % Draft Version
      272
      273
         %%...
      274
      275
      276
          \ifchgbar@
           % Change Bars
      277
           \RequirePackage{changebar}
      278
      279
      280
          \iflinnum@
      281
           % Line Numbers
      282
           \if@twocolumn
      283
             \RequirePackage[switch, columnwise, mathlines]{lineno}\linenumbers
      284
             \RequirePackage[columnwise, mathlines]{lineno}\linenumbers
      287
           \fi
          \fi
      288
      289
          %%...
      290
      291
      292 \fi
      293
      294\fi
      \mathbbo Bbo Math Font: ... to do!
      299 \ifdef{\mathbbo}{}{\DeclareMathAlphabet{\mathbbo}{U}{bbold}{m}{n}}
\matheus Eus Math Font: ... to do!
      300 \left\{ \mathbb{U}_{matheus} \right\} \\
\mathpzc Pzc Math Font: ... to do!
      301 \left\{ \mathbf{T1}_{pzc}_{m}(it) \right\}
\mathscr Scr Math Font: ... to do!
      302 \left\{ \mathbf{Mathscr} {\DeclareMathAlphabet{\mathbf{U}} {rsfs} {m} {n} \right\}
      \newtxt ... to do!
        • \newtxt[\rmfamily]{Name}[sub][sup][Ext] = "Name_sup_Ext"
        • \newtxt[\sffamily]{Name}[sub][sup][Ext] = "Name_sup_Ext"
        • \newtxt[\ttfamily]{Name}[sub][sup][Ext] = "Name_sub_Ext"
        • \mbox{\colored}[Sub][Sub][Ext] = "Name_{Sub}^{Sub}Ext"
        • \newtxt![\sffamily]{Name}[sub][sup][Ext] = "Name_sub_Ext"
        • \newtxt![\ttfamily]{Name}[sub][sup][Ext] = "Name_sub_Ext"
```

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```
307 \DeclareRobustCommand{\newtxt}
                                                                             308 {\ifexclavar{\@snewtxt}{\@newtxt}}
                                                                             309 \DeclareRobustCommandx{\Onewtxt}[5][1=, 3=, 4=, 5=]
                                                                             310 {\text{#1#2\txtsubsup[#1]{#3}{#4}#5}\xspace}
                                                                             311 \DeclareRobustCommandx{\@snewtxt}[5][1=, 3=, 4=, 5=]
                                                                             312 {\#1\#2\txtsubsup[\#1]}{\#3}{\#4}\#5\normalfont\xspace}
               \newtxtsty ... to do!
                                                                                         • \mbox{newtxtsty}{\rm Sub}[sub][sup][Ext] = "Name_{sub}^{sup}Ext"
                                                                                         • \newtxtsty{\rmfamily}[\sffamily]{Name}[sub][sup][Ext] = "Name_sub_Ext"
                                                                                         • \mbox{\t Name} \mbox{\t Sub} \mbox{\t Ext} = \mbox{\t Name} \mbox{\t Ext} = \mbox{\t Name} \mbox{\t Sub} \mbox{\t Ext}
                                                                                          • \new txtsty! {\new [sub] [sup] [Ext] = "Name _{sub}^{sup} Ext"}
                                                                                          • \newtxtsty!{\rmfamily}[\sffamily]{Name}[sub][sup][Ext] = "Name_sub_Ext"
                                                                                         \bullet \ \texttt{Name} \{ \texttt{Sub} [ \texttt{Sub} ] [ \texttt{Ext} ] = \texttt{"Name} \texttt{Sup} \texttt{Ext} "
                                                                             313 \DeclareRobustCommand{\newtxtsty}
                                                                                                 {\ifexclavar{\@snewtxtsty}{\@newtxtsty}}
                                                                             315 \DeclareRobustCommandx{\@newtxtsty}[2][2=]
                                                                              316 {\newtxt[\defval{#2}{#1}]}
                                                                             317 \DeclareRobustCommandx{\@snewtxtsty}[2][2=]
                                                                             318 {\newtxt![\defval{#2}{#1}]}
               \newtxtarg ... to do!
                                                                                         • \mbox{\ensuremath{\texttt{Name}}[sub][sup][Ext1]{Arg}[Ext2] = "Name_{sub}^{sup}Ext1(Arg)Ext2"}
                                                                                         \bullet \ \texttt{\  \  } [\texttt{Sub}][\texttt{Sub}][\texttt{Ext1}] \{\texttt{Arg}\}[\texttt{Ext2}] = \texttt{``Name}^{\texttt{sup}}_{\texttt{sub}} \texttt{Ext1}(\texttt{Arg}) \texttt{Ext2}"
                                                                                           \bullet \texttt{ \  \  } \texttt{ \  \  \  } \texttt{ \  \  \  } \texttt{ \  \  } 
                                                                                           \bullet \texttt{ \  \  } [\texttt{Sup}][\texttt{Ext1}] \texttt{ \  \  } [\texttt{Ext2}] = \texttt{``Name}^{\texttt{sup}} \texttt{Ext1}(\texttt{Arg}) \texttt{Ext2}'' 
                                                                                          • \newtxtarg! [\ttfamily] {Name} [sub] [sup] [Ext1] {Arg} [Ext2] = "Name sup Ext1 (Arg) Ext2"
                                                                             319 \DeclareRobustCommand{\newtxtarg}
                                                                             320 {\ifexclavar{\@snewtxtarg}{\@newtxtarg}}
                                                                              321 \DeclareRobustCommandx{\Onewtxtarg}[7][1=, 3=, 4=, 5=, 7=]
                                                                              322 {\newtxt[#1]{#2}[#3][#4][\argmid{#5(}{#6}{)#7}]}
                                                                              323 \DeclareRobustCommandx{\@snewtxtarg}[7][1=, 3=, 4=, 5=, 7=]
                                                                                                 {\newtxt![#1]{#2}[#3][#4][\argmid{#5(}{#6}{)#7}]}
\newtxtargsty ... to do!
                                                                                          \bullet \texttt{ \  \  } [\texttt{Sub}] [\texttt{Sub}] [\texttt{Ext1}] \{\texttt{Arg}\} [\texttt{Ext2}] = \texttt{``Name}^{\sup}_{\sup} \texttt{Ext1} (\texttt{Arg}) \texttt{Ext2}" 
                                                                                         • \newtxtargsty{\rmfamily}[\sffamily][\sup][\sup][\sup][\sup][\sup][\st1]{\Arg}[\sup]="\Name\sup \sup \st1(\Arg)\st2"
                                                                                          • \newtxtargsty{\rmfamily}[\ttfamily]{Name}[sub][sup][Ext1]{Arg}[Ext2] = "NamesubExt1(Arg)Ext2"
                                                                                           \bullet \texttt{ \  \  } \texttt{ \  \  \  } \texttt{ \  \  \  } \texttt{ \  \  } 
                                                                                           \bullet \texttt{\newtxtargsty!} \{\texttt{\normall}[\texttt{\normall}[\texttt{\normall}] \{\texttt{\normall}[\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normall}][\texttt{\normal
                                                                                          • \newtxtargsty!{\rmfamily}[\ttfamily]{\Name}[sub][sup][Ext1]{Arg}[Ext2] = "Name_sub_Ext1(Arg)Ext2"
                                                                             325 \DeclareRobustCommand{\newtxtargsty}
                                                                             326 {\ifexclavar{\@snewtxtargsty}{\@newtxtargsty}}
                                                                              327 \DeclareRobustCommandx{\@newtxtargsty}[2][2=]
                                                                              328 {\newtxtarg[\defval{#2}{#1}]}
                                                                             329 \DeclareRobustCommandx{\@snewtxtargsty}[2][2=]
                                                                                                   {\newtxtarg![\defval{#2}{#1}]}
          \newtxtoarg ... to do!
                                                                                         • \mbox{\ensuremath{\text{Name}}[sub][sup][Arg]} = \mbox{\ensuremath{\text{Name}}^{sup}_{sub}(Arg)}
                                                                                         • \mbox{\ensuremath{\texttt{Name}}[sub][sup][Arg]} = \mbox{\ensuremath{\texttt{"Name}}} \mbox{\ensuremath{\texttt{Sub}}} \mbox{\ensuremath{\texttt{Name}}} \mbox{\ensuremath{\texttt{Sub}}} \mbox{\ensuremath{\texttt{Ing}}} = \mbox{\ensuremath{\texttt{"Name}}} \mbox{\ensuremath{\texttt{Sub}}} \mbox{\ensuremath{\texttt{Name}}} \mbox{\ensuremath{\texttt{Name}}} \mbox{\ensuremath{\texttt{Sub}}} \mbox{\ensuremath{\texttt{Ing}}} \mbox{\ensuremath{\texttt{Name}}} \mbox{\ensuremath{\texttt{Name}}} \mbox{\ensuremath{\texttt{Name}}} \mbox{\ensuremath{\texttt{Sub}}} \mbox{\ensuremath{\texttt{Ing}}} \mbox{\ensuremath{\texttt{Name}}} \mbox{\ensure
                                                                                          • \newtxtoarg[\ttfamily]{Name}[sub][sup][Arg] = "Name sub (Arg)"
                                                                                           \bullet \texttt{ \  \  } \texttt{[Name][Sub][Sup][Arg]} = \texttt{``Name}^{sup}_{sub}(Arg)"
```

• \newtxtoarg! [\sffamily] {Name} [sub] [sup] [Arg] = "Name_sub_(Arg)"

```
• \newtxtoarg! [\ttfamily] {Name} [sub] [sup] [Arg] = "Name sup (Arg)"
                                                                331 \DeclareRobustCommand{\newtxtoarg}
                                                                332 {\ifexclavar{\@snewtxtoarg}{\@newtxtoarg}}
                                                                333 \DeclareRobustCommandx{\@newtxtoarg}[5][1=, 3=, 4=, 5=]
                                                                334 {\newtxtarg[#1]{#2}[#3][#4][]{#5}[]}
                                                                335 \DeclareRobustCommandx{\@snewtxtoarg}[5][1=, 3=, 4=, 5=]
                                                                336 {\newtxtarg![#1]{#2}[#3][#4][]{#5}[]}
\newtxtoargsty ... to do!
                                                                         • \mbox{\normalize} \{\mbox{\normalize}, \mbox{\normalize} \} \ [sub] [sup] [Arg] = "Name _{
m sub}^{
m sup} (\mbox{\normalize}, \mbox{\normalize})"
                                                                         • \newtxtoargsty{\rmfamily}[\sffamily]{Name}[sub][sup][Arg] = "Name_sub_(Arg)"
                                                                         • \newtxtoargsty{\rmfamily}[\ttfamily]{Name}[sub][sup][Arg] = "Name_sub_(Arg)"
                                                                          • \new txtoargsty! {\new [sub] [sub] [sup] [Arg] = "Name_{sub}^{sup} (Arg)"}
                                                                         • \new txtoargsty! {\new txt
                                                                          • \newtxtoargsty!{\rmfamily}[\ttfamily]{Name}[sub][sup][Arg] = "Name_sub_(Arg)"
                                                                337 \DeclareRobustCommand{\newtxtoargsty}
                                                                338 {\ifexclavar{\@snewtxtoargsty}{\@newtxtoargsty}}
                                                                339 \DeclareRobustCommandx{\@newtxtoargsty}[2][2=]
                                                                340 {\newtxtoarg[\defval{#2}{#1}]}
                                                                341 \DeclareRobustCommandx{\@snewtxtoargsty}[2][2=]
                                                               342 {\newtxtoarg![\defval{#2}{#1}]}
                \newtxtpar ... to do!
                                                                          \bullet \texttt{ \  \  } \texttt{[Ext1] \{Par\}[Ext2]} = \texttt{``Name}^{\sup}_{\sup} \texttt{Ext1}[Par] \texttt{Ext2''} 
                                                                         • \newtxtpar[\sffamily]{Name}[sub][sup][Ext1]{Par}[Ext2] = "Name_sub_Ext1[Par]Ext2"
                                                                         • \newtxtpar[\ttfamily]{Name}[sub][sup][Ext1]{Par}[Ext2] = "Name_sub_Ext1[Par]Ext2"
                                                                         • \newtxtpar! [\rmfamily] {Name} [sub] [sup] [Ext1] {Par} [Ext2] = "Name_sup_Ext1[Par] Ext2"
                                                                         • \newtxtpar![\sffamily]{Name}[sub][sup][Ext1]{Par}[Ext2] = "Name_{sub}^{sup}Ext1[Par]Ext2"
                                                                          \bullet \texttt{ \  \  } \texttt{[Xttfamily][Name][sub][sup][Ext1][Par][Ext2]} = \texttt{``Name}^{sup}_{sub}\texttt{Ext1[Par]Ext2''} 
                                                                343 \DeclareRobustCommand{\newtxtpar}
                                                                344 {\ifexclavar{\@snewtxtpar}{\@newtxtpar}}
                                                                345 \DeclareRobustCommandx{\@newtxtpar}[7][1=, 3=, 4=, 5=, 7=]
                                                                346 \quad {\texttt{\newtxt[#1]{#2}[#3][#4][\argmid{#5[}{#6}{]#7}]}}
                                                                347 \DeclareRobustCommandx{\@snewtxtpar}[7][1=, 3=, 4=, 5=, 7=]
                                                               348 {\newtxt![#1]{#2}[#3][#4][\argmid{#5[}{#6}{]#7}]}
   \newtxtparsty ... to do!
                                                                         • \newtxtparsty{\rmfamily}{Name}[sub][sup][Ext1]{Par}[Ext2] = "Name_{\rm sub}^{\rm sup}Ext1[Par]Ext2"
                                                                         • \newtxtparsty{\rmfamily}[\sffamily]{\Name}[sub][sup][Ext1]{\Par}[Ext2] = "Name_sub_Ext1[\Par]Ext2"
                                                                          \bullet \mathtt{Name}^{\sup}_{\mathrm{Sub}}[\mathrm{Sub}][\mathrm{Sup}][\mathrm{Ext1}] \\ + \mathrm{Par}_{\mathrm{Ext2}} = \mathtt{Name}^{\sup}_{\mathrm{Sub}} \\ + \mathrm{Ext2}_{\mathrm{Ext2}} = \mathtt{Ext2}_{\mathrm{Ext2}} \\ + \mathrm{Ext2}_{\mathrm{Ext2
                                                                          • \newtxtparsty!{\rmfamily}{Name}[sub][sup][Ext1]{Par}[Ext2] = "Name_{\text{sub}}^{\text{sup}}Ext1[Par]Ext2"
                                                                          • \newtxtparsty! {\rmfamily} [\sffamily] {Name} [sub] [sup] [Ext1] {Par} [Ext2] = "Name_sup_Ext1[Par]Ext2"
                                                                          \bullet \mathtt{Name}_{\mathrm{sub}}^{\mathrm{sup}}[\mathtt{Ext1}] \\ \{\mathtt{Par}_{\mathrm{Ext2}} = \mathtt{``Name}_{\mathrm{sub}}^{\mathrm{sup}}\mathtt{Ext1}[\mathtt{Par}_{\mathrm{Ext2}}] \\ = \mathtt{``Name}_{\mathrm{Ext2}}^{\mathrm{sup}}\mathtt{Ext1}[\mathtt{Par}_{\mathrm{Ext2}}] \\ = \mathtt{``Name}_{\mathrm{Ext2}}^{\mathrm{sup}}\mathtt{Ext2}[\mathtt{Par}_{\mathrm{Ext2}}] \\ = \mathtt{``Name}_{\mathrm{Ext2}}^{\mathrm{sup}}\mathtt{Ext2}[\mathtt{Par}_{\mathrm{Ext2}}] \\ = \mathtt{``Name}_{\mathrm{Ext2}}^{\mathrm{sup}}\mathtt{Ext2}[\mathtt{Par}_{\mathrm{Ext2}}] \\ = \mathtt{``Name}_{\mathrm{Ext2}}^{\mathrm{sup}}\mathtt{Ext2}[\mathtt{Par}_{\mathrm{Ext2}}] \\ = \mathtt{``Name}_{\mathrm{Ext2}}^{\mathrm{ext2}}[\mathtt{Par}_{\mathrm{Ext2}}] \\ = \mathtt{```Name}_{\mathrm{Ext2}}^{\mathrm{ext2}}[\mathtt{Par}_{\mathrm{Ext2}}] \\ = \mathtt{```Name}_{\mathrm{Ext2}}^{\mathrm{ext2}}[\mathtt{Par}_{\mathrm{Ext2}}] \\ = \mathtt{```Name}_{\mathrm{Ext2}}^{\mathrm{e
                                                                349 \DeclareRobustCommand{\newtxtparsty}
                                                                350 {\ifexclavar{\@snewtxtparsty}{\@newtxtparsty}}
                                                                351 \DeclareRobustCommandx{\@newtxtparsty}[2][2=]
                                                                352 {\newtxtpar[\defval{#2}{#1}]}
                                                                353 \DeclareRobustCommandx{\@snewtxtparsty}[2][2=]
                                                               354 {\newtxtpar![\defval{#2}{#1}]}
            \newtxtopar ... to do!
                                                                          \bullet \texttt{ \  \  } \texttt{[Sub] [Sup] [Par]} = \texttt{``Name}^{\sup}_{\sup}[Par]" 
                                                                         • \newtxtopar[\sffamily]{Name}[sub][sup][Par] = "Name_sub_[Par]"
```

\newtxtopar[\ttfamily]{Name}[sub][sup][Par] = "Name sub [Par]"
 \newtxtopar![\rmfamily]{Name}[sub][sup][Par] = "Name sub [Par]"

```
• \newtxtopar! [\sffamily] {Name} [sub] [sup] [Par] = "Name_sub_[Par]"
                    • \newtxtopar! [\ttfamily] {Name} [sub] [sup] [Par] = "Name sub [Par]"
                  355 \DeclareRobustCommand{\newtxtopar}
                  356 {\ifexclavar{\@snewtxtopar}{\@newtxtopar}}
                  357 \DeclareRobustCommandx{\@newtxtopar}[5][1=, 3=, 4=, 5=]
                  358 {\newtxtpar[#1]{#2}[#3][#4][]{#5}[]}
                  359 \DeclareRobustCommandx{\@snewtxtopar}[5][1=, 3=, 4=, 5=]
                       {\newtxtpar![#1]{#2}[#3][#4][]{#5}[]}
\newtxtoparsty ... to do!
                    • \mbox{\ensuremath{\mbox{Name}} (Sub) [Sup] [Par] = "Name}_{sub} [Par]"}
                     • \newtxtoparsty{\rmfamily}[\sffamily]{Name}[sub][sup][Par] = "Namesup[Par]"
                     • \newtxtoparsty{\rmfamily}[\ttfamily]{Name}[sub][sup][Par] = "Name_sub_[Par]"
                    • \newtxtoparsty!{\rmfamily}{Name}[sub][sup][Par] = "Name_sub_[Par]"
                     • \newtxtoparsty!{\rmfamily}[\sffamily]{Name}[sub][sup][Par] = "Name_sub_Par]"
                    • \newtxtoparsty!{\rmfamily}[\ttfamily]{Name}[sub][sup][Par] = "Name_sub_[Par]"
                  361 \DeclareRobustCommand{\newtxtoparsty}
                      {\ifexclavar{\@snewtxtoparsty}{\@newtxtoparsty}}
                  363 \DeclareRobustCommandx{\@newtxtoparsty}[2][2=]
                  364 {\newtxtopar[\defval{#2}{#1}]}
                  365 \DeclareRobustCommandx{\@snewtxtoparsty}[2][2=]
                      {\newtxtopar![\defval{#2}{#1}]}
    \txtsubsup ... to do!
                    • \text{txtsubsup}\{\text{sub}\} = "sub"; \text{txtsubsup}\{\text{sup}\} = "sup"; \text{txtsubsup}\{\text{sub}\} (sup) = "sub";
                    • \t \ \txtsubsup[\sffamily]{Aa}{Bb} = "Bb" Aa
                    • \txtsubsup[\ttfamily]{Aa}{Bb} = \(\frac{\alpha Bb}{Aa}\)
                  367 \DeclareRobustCommand{\txtsubsup}[3][]
                      {\ensuremath{\empchk{#2}{_{\text{#1#2}}}\empchk{#3}{^{\text{#1#3}}}}}
                  \txt ... to do!
                    • \txt{Name}[sub][sup][Ext] = "Name_sub_Ext"
                    • \txt[\scshape]{Name}[sub][sup][Ext] = "NAME_SUP_EXT"
                     • \txt[\bfseries]{Name}[sub][sup][Ext] = "Name_sub_Ext"
                    • \txt!{Name}[sub][sup][Ext] = "Name_sub_Ext"
                    • \txt! [\scshape] {Name} [sub] [sup] [Ext] = "NAME_SUB_EXT"
                     • \text{txt!}[\text{bfseries}]{\text{Name}}[\text{sub}][\text{sup}][\text{Ext}] = \text{"Name}_{\text{sub}}^{\text{sup}}\text{Ext"}
                  370 \DeclareRobustCommand{\txt}
                      {\ifexclavar{\newtxtsty!{\txtsty}}{\newtxtsty{\txtsty}}}
       \txtarg ... to do!
                    • \txtarg{Name}[sub][sup][Ext1]{Arg}[Ext2] = "Name_sub_Ext1(Arg)Ext2"
                    • \txtarg[\scshape]{Name}[sub][sup][Ext1]{Arg}[Ext2] = "NAMESUBEXT1(ARG)EXT2"
                     • \txtarg[\bfseries] {Name} [sub] [sup] [Ext1] {Arg} [Ext2] = "Name_sub_Ext1(Arg)Ext2"
                    • \text{txtarg!}\{\text{Name}\}[\text{sub}][\text{sup}][\text{Ext1}]\{\text{Arg}\}[\text{Ext2}] = \text{"Name}_{\text{sub}}^{\text{sup}}\text{Ext1}(\text{Arg})\text{Ext2}"
                    • \txtarg! [\scshape] {Name} [sub] [sup] [Ext1] {Arg} [Ext2] = "NAMESUB EXT1(ARG)EXT2"
                     • \txtarg! [\bfseries] {\name} [\sub] [\sup] [\sut1] {\arg} [\set2] = "\name_{\sub} Ext1(\arg) Ext2"
                  372 \DeclareRobustCommand{\txtarg}
                      {\ifexclavar{\newtxtargsty!{\txtsty}}{\newtxtargsty{\txtsty}}}
      \txtoarg ... to do!
                    • \text{txtoarg{Name}[sub][sup][Arg]} = \text{"Name}_{\text{sub}}^{\text{sup}}(Arg)"
                    • \text{txtoarg[\scshape]} \{\text{Name}\} [\text{sub}] [\text{Arg}] = \text{"Name}_{\text{SUB}}^{\text{SUP}} (\text{Arg})"
```

```
• \text{txtoarg[\bfseries]}\{\text{Name}\}[\text{sub}][\text{sup}][\text{Arg}] = \text{"Name}_{\text{sub}}^{\text{sup}}(\text{Arg})"
                • \txtoarg!{Name}[sub][sup][Arg] = "Name<sup>sup</sup><sub>sub</sub>(Arg)"
                 \qquad \qquad \bullet \ \texttt{[Name][Sub][Sup][Arg]} = \text{``Name}_{SUB}^{SUP}(ARG)\text{''} \\
                374 \DeclareRobustCommand{\txtoarg}
                 {\ifexclavar{\newtxtoargsty!{\txtsty}}{\newtxtoargsty{\txtsty}}}
    \txtpar ... to do!
                • \text{txtpar{Name}}[\text{sub}][\text{sup}][\text{Ext1}]{Par}[\text{Ext2}] = \text{"Name}_{\text{sub}}^{\text{sup}}\text{Ext1}[\text{Par}]\text{Ext2}"
                • \text{txtpar}[\schape]{Name}[\sub][\sup][\schape] = "Name$_{SUB}^{SUP}Ext1[\protect\scalebox{PAR}]Ext2"
                • \txtpar!{Name}[sub][sup][Ext1]{Par}[Ext2] = "Name_sub_Ext1[Par]Ext2"
                • \txtpar! [\scshape] {Name} [sub] [sup] [Ext1] {Par} [Ext2] = "NAME_SUP EXT1 [PAR] EXT2"
                • \txtpar![\bfseries]{Name}[sub][sup][Ext1]{Par}[Ext2] = "Name_sub_Ext1[Par]Ext2"
             376 \DeclareRobustCommand{\txtpar}
                  {\ifexclavar{\newtxtparsty!{\txtsty}}{\newtxtparsty{\txtsty}}}
   \txtopar ... to do!
                • \txtopar{Name}[sub][sup][Par] = "Name_sub_[Par]"
                • \txtopar[\scshape]{Name}[sub][sup][Par] = "NAME_SUB[PAR]"
                • \text{txtopar!}\{\text{Name}\}[\text{sub}][\text{sup}][\text{Par}] = \text{"Name}_{\text{sub}}^{\text{sup}}[\text{Par}]"
                • \t \ [\scshape] {Name} [sub] [sup] [Par] = "NAME_{SUB}^{SUP} [PAR]"
                 \qquad \qquad \bullet \  \  \, \texttt{Name}[sub][sub][Par] = "Name_{sub}^{sup}[Par]" \\
             378 \DeclareRobustCommand{\txtopar}
                  {\ifexclavar{\newtxtoparsty!{\txtsty}}{\newtxtoparsty{\txtsty}}}
    \txtsty ... to do!
             380 \DeclareRobustCommand{\txtsty}
             381 {\mdseries\upshape\rmfamily}
             \cmdtxt ... to do!
                \cmdtxt{NewCmd}; \newcommand{txtstyNewCmd}{\scshape\ttfamily};
                  \verb|\txtNewCmd{Name}[sub][sup][Ext] = \verb|\Name|_{SUB}^{SUP}Ext|
                  \verb|\txtNewCmd!{Name}[sub][sup][Ext]| = \verb|\Name|_{SUB}Ext|
             383 \DeclareRobustCommand{\cmdtxt}[1]
             384 {\csdef{txt#1}}%
                     {\protect\ifexclavar%
             385
                       {\tt \{\newtxtsty!{\tt csname txtsty\#1\nedcsname}\}\%}
             386
                       {\newtxtsty{\csname txtsty#1\endcsname}}}}
             387
 \cmdtxtarg ... to do!
                • \cmdtxtarg{NewCmd}; \newcommand{txtstyNewCmd}{\scshape\ttfamily};
                  \verb|\txtargNewCmd{Name}[sub][sup][Ext1]{Arg}[Ext2] = \verb|\Name|_{SUB}^{SUP}Ext1(Arg)Ext2|
                  \verb|\txtargNewCmd!{Name}[sub][sup][Ext1]{Arg}[Ext2] = \verb|\txtargNewEmd!{Arg}[Ext1](Arg)Ext2|
             388 \DeclareRobustCommand{\cmdtxtarg}[1]
                  {\csdef{txtarg#1}%
             390
                     {\protect\ifexclavar%
                       {\newtxtargsty!{\csname txtsty#1\endcsname}}%
             391
             392
                       {\newtxtargsty{\csname txtsty#1\endcsname}}}}
\cmdtxtoarg ... to do!
                \cmdtxtoarg{NewCmd}; \newcommand{txtstyNewCmd}{\scshape\ttfamily};
                  \t \sum_{SUB} [Sub] [Sup] [Arg] = NAME_{SUB} (Arg)
```

```
393 \DeclareRobustCommand{\cmdtxtoarg}[1]
                                     394
                                                  {\csdef{txtoarg#1}%
                                     395
                                                         {\protect\ifexclavar%
                                                               {\newtxtoargsty!{\csname txtsty#1\endcsname}}%
                                    396
                                                               {\newtxtoargsty{\csname txtsty#1\endcsname}}}}
                                    397
  \cmdtxtpar ... to do!
                                           • \cmdtxtpar{NewCmd}; \newcommand{txtstyNewCmd}{\scshape\ttfamily};
                                                \verb|\txtparNewCmd{Name}[sub][sup][Ext1]{Par}[Ext2] = \verb|\txtparNewCmd{Name}[sub][sup][ext1]{Par}[ext2] = \verb|\txtparNewCmd{Name}[sub][sub][sub][ext1][ext2] = \verb|\txtparNewCmd{Name}[sub][sub][sub][ext1][ext2][sub][ext2][sub][sub][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][e
                                                398 \DeclareRobustCommand{\cmdtxtpar}[1]
                                                  {\csdef{txtpar#1}%
                                     399
                                                         {\protect\ifexclavar%
                                    400
                                                               {\newtxtparsty!{\csname txtsty#1\endcsname}}%
                                    401
                                                               {\newtxtparsty{\csname txtsty#1\endcsname}}}}
                                    402
\cmdtxtopar ... to do!
                                           • \cmdtxtopar{NewCmd}; \newcommand{txtstyNewCmd}{\scshape\ttfamily};
                                                \label{eq:local_local_local_local} $$ \operatorname{Local_{Name}[sub][sup][Par]} = \operatorname{Name_{SUB}^{SUP}[Par]} $$
                                                \txtoparNewCmd!{Name}[sub][sup][Par] = NAME_SUB_[PAR]
                                     403 \DeclareRobustCommand{\cmdtxtopar}[1]
                                                   {\csdef{txtopar#1}%
                                    404
                                                         {\protect\ifexclavar%
                                    405
                                                               {\newtxtoparsty!{\csname txtsty#1\endcsname}}%
                                    406
                                    407
                                                               {\newtxtoparsty{\csname txtsty#1\endcsname}}}}
   \cmdtxtall ... to do!
                                           • \cmdtxtall{NewCmd}; \newcommand{txtstyNewCmd}{\scshape\ttfamily};
                                                \mathsf{TXTNewCmd}\{\mathsf{Name}\}[\mathsf{sub}][\mathsf{Sup}][\mathsf{Ext}] = \mathsf{NAME}^{\mathsf{SUP}}_{\mathsf{SUB}}\mathsf{EXT}
                                                \txtargNewCmd{Name}[sub][sup][Ext1]{Arg}[Ext2] = NAME_SUP_EXT1(ARG)EXT2
                                                \t Name [sub] [sup] [Arg] = Name_{SUB} (Arg)
                                                \texttt{\txtparNewCmd}\{\texttt{Name}\}[\texttt{sub}][\texttt{sup}][\texttt{Ext1}]\{\texttt{Par}\}[\texttt{Ext2}] = \texttt{Name}^{\texttt{SUP}}_{\texttt{SUB}}\texttt{Ext1}[\texttt{Par}]\texttt{Ext2}
                                                \t \ [sub] [sup] [Par] = Name<sub>SUB</sub> [Par]
                                    408 \DeclareRobustCommand{\cmdtxtall}[1]
                                                 {\cmdtxt{#1}\cmdtxtarg{#1}\cmdtxtoarg{#1}\cmdtxtpar{#1}\cmdtxtopar{#1}}
                                    \usrtxt ... to do!
                                           • \usrtxt{cmdName}{Suf}{};
                                                \colonerge{cmdName} = cmdName
                                                \cmdNameSuf* = cmdName*
                                                \usrtxt{cmdName}{Suf}{arg};
                                                \cmdNameSuf{Arg} = cmdName(Arg)
                                                 \colon 
                                                 \usrtxt{cmdName}{Suf}{par};
                                                 \cmdNameSuf{Par} = cmdName[Par]
                                                 \cmdNameSuf!{Par} = cmdName[Par]
                                            \usrtxt{cmdName}{Suf}{}[newName];
                                                 \c MameSuf = newName
                                                \c \mbox{\cmdNameSuf*} = \mbox{\cmdName *}
                                                \usrtxt{cmdName}{Suf}{arg}[newName];
                                                \c MameSuf{Arg} = newName(Arg)
                                                \cmdNameSuf!{Arg} = newName(Arg)
                                                \usrtxt{cmdName}{Suf}{par}[newName];
                                                \cmdNameSuf{Par} = newName[Par]
                                                \c MameSuf!{Par} = newName[Par]
                                    411 \DeclareRobustCommandx{\usrtxt}[4][4=]
                                                  {\csdef{#1#2}%
                                    412
                                                         {\protect\ifexclavar%
                                     413
                                                               {\csname txt#3\endcsname!{\defval{#4}{#1}}}%
                                     414
                                     415
                                                               {\csname txt#3\endcsname{\defval{#4}{#1}}}}
```

```
\newmth ... to do!
                                                                                                                                                                        • \newmth[mathrm] {Name} [sub] [sup] [Ext] = "Name_{sub}^{sup} Ext"
                                                                                                                                                                         • \newmth[mathsf]{Name}[sub][sup][Ext] = "Name_{sub}^{sup}Ext"
                                                                                                                                                                         • \newmth[mathtt]{Name}[sub][sup][Ext] = "Name_{sub}^{sup}Ext"
                                                                                                                                                                         • \newmth! [mathrm] {Name} [sub] [sup] [Ext] = "Name_{sub}^{sup}Ext"
                                                                                                                                                                         • \newmth! [mathsf] {Name} [sub] [sup] [Ext] = "Name_{sub}^{sup}Ext"
                                                                                                                                                                         • \newmth! [mathtt] {Name} [sub] [sup] [Ext] = "Name_{sub}^{sup}Ext"
                                                                                                                                                420 \DeclareRobustCommand{\newmth}
                                                                                                                                                                                                    {\ifexclavar{\@snewmth}{\@newmth}}
                                                                                                                                                  422 \DeclareRobustCommandx{\Qnewmth}[5][1=, 3=, 4=, 5=]
                                                                                                                                                                                               {\ensuremath{\csname#1\endcsname{#2}\mthsubsup{#3}{#4}#5}}
                                                                                                                                                424 \DeclareRobustCommandx{\@snewmth}[5][1=, 3=, 4=, 5=]
                                                                                                                                                                                               {\ensuremath{\csname#1\endcsname #2\mthsubsup{#3}{#4}#5}}
                             \newmthsty ... to do!
                                                                                                                                                                        • \newmthsty{mathrm}{Name}[sub][sup][Ext] = "Name_{sub}^{sup}Ext"
                                                                                                                                                                         • \newmthsty{mathrm}[mathsf]{Name}[sub][sup][Ext] = "Name_{sub}^{sup}Ext"
                                                                                                                                                                         • \newmthsty{mathrm}[mathtt]{Name}[sub][sup][Ext] = "Name_{sub}^{sup}Ext"
                                                                                                                                                                         • \newmthsty! {mathrm} {Name} [sub] [sup] [Ext] = "Name_{sub}^{sup} Ext"
                                                                                                                                                                         • \newmthsty! {mathrm} [mathsf] {Name} [sub] [sup] [Ext] = "Name_{sub}^{sup}Ext"
                                                                                                                                                                          \bullet \ \texttt{\  \  } \ \texttt{\  \  \  } \ \texttt{\  \  \  } \ \texttt{\  \  } \ \texttt{\  \  } \ \texttt{\  \  } \ \texttt{\  \  \  } \ \texttt{\  \  \  } \ \texttt{\  \  \  } \ \texttt{\  \  } \ \texttt{\  \  \  \  } \ \texttt{\  \  \  \ } \ \texttt{\  \  \  \ } \ \texttt{\  \  \ } \ \texttt{\  \  \  \ } \ \texttt{\  \  \  \ } \ \texttt{\ 
                                                                                                                                                426 \DeclareRobustCommand{\newmthsty}
                                                                                                                                                                                            {\ifexclavar{\@snewmthsty}{\@newmthsty}}
                                                                                                                                                428 \DeclareRobustCommandx{\@newmthsty}[2][2=]
                                                                                                                                                                                                  {\text{\ensuremath}[\defval{#2}{\#1}]}
                                                                                                                                                  430 \DeclareRobustCommandx{\@snewmthsty}[2][2=]
                                                                                                                                                                                               {\newmth![\defval{#2}{#1}]}
                               \newmtharg ... to do!
                                                                                                                                                                         \bullet \texttt{ \  \  } \texttt{ \  \  \  } \texttt{ 
                                                                                                                                                                         \bullet \texttt{ \  \  } \texttt{ \  \  \  } \texttt{ \  \  \  } \texttt{ \  \  } 
                                                                                                                                                                          \bullet \texttt{ \  \  } \texttt{ \  \  \  } \texttt{ 
                                                                                                                                                                          \bullet \texttt{ \  \  } \texttt{ \  \  \  } \texttt{ 
                                                                                                                                                                          \bullet \texttt{ \  \  } \texttt{ \  \  \  } \texttt{ \  \  \  } \texttt{ \  \  } 
                                                                                                                                                432 \DeclareRobustCommand{\newmtharg}
                                                                                                                                                                                            {\ifexclavar{\@snewmtharg}{\@newmtharg}}
                                                                                                                                                  434 \DeclareRobustCommandx{\@newmtharg}[7][1=, 3=, 4=, 5=, 7=]
                                                                                                                                                                                            {\newmth[#1]{#2}[#3][#4][\argmid{#5\!\left(}{#6}{\right)\arglef{\!}{#7}}]}
                                                                                                                                                436 \DeclareRobustCommandx{\@snewmtharg}[7][1=, 3=, 4=, 5=, 7=]
                                                                                                                                                                                      {\newmth[#1]{#2}[#3][#4][\argmid{#5(}{#6}{)#7}]}
\newmthargsty ... to do!
                                                                                                                                                                        • \newmthargsty{mathrm}{Name}[sub][sup][Ext1]{Arg^{Ex^{Ex}}}}[Ext2] = "Name_{sub}^{sup}Ext1(Arg^{Ex^{Ex}})Ext2"
                                                                                                                                                                         • \newmthargsty{mathrm}[mathsf]{Name}[sub][sup][Ext1]{Arg^{Ex^{Ex}}}[Ext2] = "Name_{sub}^{sup}Ext1(Arg^{Ex^{Ex}})Ext2" = "Name_{sub}^{sup}Ext1(Arg^{Ex})Ext2" = "Name_{sub}^{sup}Ext1(Arg^{Ex})Ext2" = "Name_{sub}^{sup}Ext1(Arg^{Ex})Ext2" = "Name_{sub}^{sup}Ext1(Arg^{Ex})Ext2" = "Name_{sub}^{sup}Ext1(Arg^{Ex})Ext2" = "Name_{sub}^{
                                                                                                                                                                          \bullet \texttt{ \  \  } \texttt{ \  \  \  } \texttt{ \  \  } \texttt{
```

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 \bullet \texttt{ \newmthargsty! \{mathrm\}\{Name\}[sub][sup][Ext1]\{Arg^{\{Ex^{\{Ex\}\}\}}[Ext2]} = "Name_{sub}^{sup}Ext1(Arg^{Ex^{Ex}})Ext2" \} } \\
```

- $\bullet \texttt{ \ \ } \texttt{ \ \ \ } \texttt{ \ \ } \texttt{$
- $\bullet \texttt{ \ \ } \texttt{ \ \ \ } \texttt{ \ \ \ } \texttt{ \ \ }$

438 \DeclareRobustCommand{\newmthargsty}

- 439 {\ifexclavar{\@snewmthargsty}{\@newmthargsty}}
- 440 \DeclareRobustCommandx{\@newmthargsty}[2][2=]
- 441 {\newmtharg[\defval{#2}{#1}]}
- 442 \DeclareRobustCommandx{\@snewmthargsty}[2][2=]
- 443 {\newmtharg![\defval{#2}{#1}]}

\newmthoarg ... to do!

- \newmthoarg[mathrm] {Name} [sub] [sup] [Arg^{Ex^{Ex}}] = "Name_{sub}^{sup} (Arg^{Ex^{Ex}})" = "Name_{sub}^{sub} (Arg^{Ex})" = "Name_{sub}^{
- $\bullet \ \texttt{\name} \ \texttt{\n$
- $\bullet \ \texttt{\ \ } \ \texttt{\ \ \ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ \ } \ \texttt{\ \ } \ \texttt{\ \ } \ \texttt{\ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ } \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\ \ \ \ } \ \texttt{\$
- \newmthoarg! [mathrm] {Name} [sub] [sup] [Arg^{Ex^{Ex}}] = "Name_{sub}^{sup} (Arg^{Ex^{Ex}})"
- \newmthoarg! [mathsf] {Name} [sub] [sup] [Arg^{Ex^{Ex}}] = "Name_{sub}^{sup} (Arg^{Ex^{Ex}})"
- $\bullet \ \texttt{\newmthoarg![mathtt]{Name}[sub][sup][Arg^{Ex^{}}{Ex}]} = "\texttt{\normalfoat} (Arg^{Ex^{Ex}})"$

444 \DeclareRobustCommand{\newmthoarg}

- 445 {\ifexclavar{\@snewmthoarg}{\@newmthoarg}}
- 446 \DeclareRobustCommandx{\@newmthoarg}[5][1=, 3=, 4=, 5=]
- 447 {\newmtharg[#1]{#2}[#3][#4][]{#5}[]}
- 448 \DeclareRobustCommandx{\@snewmthoarg}[5][1=, 3=, 4=, 5=]
- 449 {\newmtharg![#1]{#2}[#3][#4][]{#5}[]}

\newmthoargsty ... to do!

- \newmthoargsty{mathrm}{Name}[sub][sup][Arg^{Ex^{Ex}}] = "Name_{sub}^{sup} (Arg^{Ex^{Ex}})"
- $\bullet \ \texttt{\name} \ \texttt{\n$
- $\bullet \ \texttt{\ \ } \ \texttt{\ \ \ } \ \texttt{\ \ } \ \texttt{\ \ \ } \ \texttt{\ \$
- \newmthoargsty! {mathrm} {Name} [sub] [sup] [Arg^{Ex^{Ex}}] = "Name_{sub}^{sup} (Arg^{Ex^{Ex}})"
- $\bullet \verb| \newmthoargsty!{mathrm}[mathsf]{Name}[sub][sup][Arg^{Ex^{}}] = "Name_{sub}^{sup}(Arg^{Ex^{Ex}})"$
- $\bullet \verb| \newmthoargsty!{mathrm}[mathtt]{Name}[sub][sup][Arg^{Ex^{Ex}}] = "Name_{sub}^{sup}(Arg^{Ex^{Ex}})"$

450 \DeclareRobustCommand{\newmthoargsty}

- 451 {\ifexclavar{\@snewmthoargsty}{\@newmthoargsty}}
- 452 \DeclareRobustCommandx{\@newmthoargsty}[2][2=]
- 453 {\newmthoarg[\defval{#2}{#1}]}
- 454 \DeclareRobustCommandx{\@snewmthoargsty}[2][2=]
- 455 {\newmthoarg![\defval{#2}{#1}]}

\newmthpar ... to do!

- $\bullet \mathtt{Name}_{sub}^{sup} \mathtt{[Sub][sup][Ext1]} \mathtt{[Par^{Ex^{Ex}}]} \mathtt{[Ext2]} = \mathtt{``Name}_{sub}^{sup} Ext1 \mathtt{[} Par^{Ex^{Ex}} \mathtt{]} Ext2 \mathtt{''} \mathtt{[} Ext2 \mathtt{''} \mathtt{[} Par^{Ex^{Ex}} \mathtt{[} Par^{E$
- $\bullet \ \texttt{\newmthpar[mathsf]{Name}[sub][sub][Ext1]{Par^{Ex^{Ex}}}} \ [\texttt{Ext2}] = \texttt{``Name}_{sub}^{sup} Ext1 \Big[Par^{Ex^{Ex}} \Big] Ext2 \texttt{''}$
- $\bullet \texttt{ \newmthpar[mathtt] \{Name\}[sub] [sup] [Ext1] \{Par^{\{Ex^{}\}}\} [Ext2] = "Name_{sub}^{sup} Ext1 \Big[Par^{Ex^{Ex}} \Big] Ext2" } \\$
- $\bullet \texttt{ \ \ } \texttt{ \ \ \ } \texttt{ \ \ } \texttt{$
- \newmthpar! [mathsf] {Name} [sub] [sup] [Ext1] {Par^{Ex^{Ex}}} [Ext2] = "Name $_{sub}^{sup} Ext1[Par^{Ex^{Ex}}] Ext2$ "
- $\bullet \texttt{ \newmthpar! [mathtt] \{Name\} [sub] [sup] [Ext1] \{Par^{\{Ex^{\{Ex\}\}}\} [Ext2] = "Name} \\ \underbrace{Ext1[Par^{Ex^{Ex}}]} Ext2" = "Name \\ \underbrace{Ex$

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456 \DeclareRobustCommand{\newmthpar}
                                                                                                                   457 {\ifexclavar{\Osnewmthpar}{\Onewmthpar}}
                                                                                                                   458 \DeclareRobustCommandx{\@newmthpar}[7][1=, 3=, 4=, 5=, 7=]
                                                                                                                   460 \DeclareRobustCommandx{\@snewmthpar}[7][1=, 3=, 4=, 5=, 7=]
                                                                                                                                                 {\newmth[#1]{#2}[#3][#4][\argmid{#5[}{#6}{]#7}]}
      \mbox{\ensuremath{\mbox{\sc hewmth}\sc parsty}}\ \dots\ \mbox{\ensuremath{\mbox{\sc to}}}\ \mbox{\ensuremath{\mbox{\sc do!}}}
                                                                                                                                    \bullet \texttt{\newmthparsty\{mathrm\}[mathsf]\{Name\}[sub][sup][Ext1]\{Par^{\{Ex^{\{Ex\}\}}}[Ext2] = \texttt{``Name}^{sup}_{sub}Ext1\Big[Par^{Ex^{Ex}}\Big]Ext2"] } \\
                                                                                                                                     \bullet \verb| \newmthparsty{mathrm}[mathtt]{Name}[sub][sup][Ext1]{Par^{Ex^{-}}[Ext2]} = "Name_{sub}^{sup}Ext1\Big[Par^{Ex^{-}Ex}\Big]Ext2" + (1-c)^{-1} + (1-c)^
                                                                                                                                       \bullet \mathtt{Name}_{sub}[\mathtt{Sub}][\mathtt{Sup}][\mathtt{Ext1}] \\ \{\mathtt{Par}^{\{\mathtt{Ex}^{\}}\}}[\mathtt{Ext2}] = \mathtt{``Name}_{sub}^{sup}Ext1[Par^{Ex^{Ex}}]Ext2] \\ = \mathtt{``Name}_{sub}^{sup}Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{E
                                                                                                                                       \bullet \texttt{ \  \  } \texttt{ \  \  \  } \texttt{ 
                                                                                                                                       \bullet \texttt{ \  \  } \texttt{ \  \  \  } \texttt{ 
                                                                                                                    462 \DeclareRobustCommand{\newmthparsty}
                                                                                                                                                         {\ifexclavar{\@snewmthparsty}{\@newmthparsty}}
                                                                                                                   464 \DeclareRobustCommandx{\@newmthparsty}[2][2=]
                                                                                                                                                        {\newmthpar[\defval{#2}{#1}]}
                                                                                                                   466 \DeclareRobustCommandx{\@snewmthparsty}[2][2=]
                                                                                                                                                        {\newmthpar![\defval{#2}{#1}]}
                      \newmthopar ... to do!
                                                                                                                                    • \newmthopar[mathrm]{Name}[sub][sup][Par^{Ex^{Ex}}] = "Name_{sub}^{sup}[Par^{Ex^{Ex}}]"
                                                                                                                                     \bullet \ \texttt{\ \ } \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ } \ \texttt{\ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ } \ \texttt{\ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \  } \ \texttt{\ \ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ } \ \texttt{\ \ \ }} \ \texttt{\ \ \ } \ \texttt{\ \ \ }
                                                                                                                                    • \newmthopar[mathtt]{Name}[sub][sup][Par^{Ex^{Ex}}] = "Name_{sub}^{sup}[Par^{Ex^{Ex}}]"
                                                                                                                                      • \newmthopar! [mathrm] {Name} [sub] [sup] [Par^{Ex^{Ex}}] = "Name _{sub}^{sup} [Par^{Ex^{Ex}}]"
                                                                                                                                      • \newmthopar! [mathsf] {Name} [sub] [sup] [Par^{Ex^{Ex}}] = "Name _{sub}^{sup} [Par^{Ex^{Ex}}]"
                                                                                                                                       \bullet \verb| \newmthopar! [mathtt] { Name } [sub] [sup] [Par^{Ex^*}[Ex^*]] = "Name^{\sup}_{sub} [Par^{Ex^{Ex}}]" 
                                                                                                                   468 \DeclareRobustCommand{\newmthopar}
                                                                                                                   469 {\ifexclavar{\@snewmthopar}{\@newmthopar}}
                                                                                                                   470 \DeclareRobustCommandx{\Qnewmthopar}[5][1=, 3=, 4=, 5=]
                                                                                                                                                    {\newmthpar[#1]{#2}[#3][#4][]{#5}[]}
                                                                                                                    472 \DeclareRobustCommandx{\@snewmthopar}[5][1=, 3=, 4=, 5=]
                                                                                                                                                        {\newmthpar![#1]{#2}[#3][#4][]{#5}[]}
\newmthoparsty ... to do!
                                                                                                                                    • \newmthoparsty{mathrm}{Name}[sub][sup][Par^{Ex^{Ex}}] = "Name_{sub}^{sup} [Par^{Ex^{Ex}}]"
                                                                                                                                    • \newmthoparsty! {mathrm} {Name} [sub] [sup] [Par^{Ex^{Ex}}] = "Name _{sub}^{sup} [Par^{Ex^{Ex}}]"
                                                                                                                                       \bullet \verb| \newmthoparsty!{mathrm}[mathsf]{Name}[sub][sup][Par^{Ex^{Ex}}]] = "Name_{sub}^{sup}[Par^{Ex^{Ex}}]" = "Name_{sub}^{sup}[Par^{Ex}]" = "Name_{sub}^{sup}[Par^{Ex}]
                                                                                                                                       \bullet \verb| \newmthoparsty!{mathrm}[mathtt]{Name}[sub][sup][Par^{Ex^{Ex}}] = "Name|_{sub}^{sup}[Par^{Ex^{Ex}}]" = "Name|_{sub}^{sup}[Par^{Ex}]" 
                                                                                                                   474 \DeclareRobustCommand{\newmthoparsty}
                                                                                                                                                         {\ifexclavar{\@snewmthoparsty}{\@newmthoparsty}}
                                                                                                                    476 \DeclareRobustCommandx{\@newmthoparsty}[2][2=]
                                                                                                                                                         {\newmthopar[\defval{#2}{#1}]}
                                                                                                                   478 \verb|\DeclareRobustCommandx{\Qsnewmthoparsty}[2][2=]
                                                                                                                                                    {\newmthopar![\defval{#2}{#1}]}
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\mthsubsup \dots to \mathrm{do}!
                                                                  480 \DeclareRobustCommand{\mthsubsup}[2]
                                                                                           {\empchk{#1}{_{#1}}\empchk{#2}{^{#2}}}
                                                                   \mth ... to do!
                                                                                • \mathbb{E}_{sub}[sub][sup][Ext] = "Name_{sub}^{sup}Ext"
                                                                                 • \mathbf{Name}_{sub}^{sup}[\mathbf{Ext}] = \mathbf{Name}_{sub}^{sup}Ext
                                                                                 • \mathcal{E}_{sub}[Sub][Sup][Ext] = \mathcal{E}_{sub}[Sub][Sup][Ext]
                                                                                 • \mth!{Name}[sub][sup][Ext] = "Name_{sub}^{sup}Ext"
                                                                                 • \mth! [mathbf] {Name} [sub] [sup] [Ext] = "Name_{sub}^{sup}Ext"
                                                                                 • \mth! [mathtt] {Name} [sub] [sup] [Ext] = "Name_{sub}^{sup}Ext"
                                                                  483 \DeclareRobustCommand{\mth}
                                                                                           {\ifexclavar{\newmthsty!{\mthsty}}}{\newmthsty{\mthsty}}}
                \mtharg ... to do!
                                                                               • \mtharg[mathtt] {Name} [sub] [sup] [Ext1] {Arg^{Ex^{}}}} [Ext2] = "Name_{sub}^{sup} Ext1 (Arg^{Ex^{Ex}}) Ext2" = "Name_{sub}^{sub} Ext1 (Arg^{Ex}) Ext2" = "Name_{sub}^{sub} Ext1 
                                                                                 \bullet \  \  \, \texttt{`Mame}[Sub][Sub][Ext1] \{ \texttt{Arg}^{} \{ \texttt{Ex}^{} \} \} [\texttt{Ext2}] = "Name_{sub}^{sup} Ext1 (Arg^{Ex}^{Ex}) Ext2" \} = "Name_{sub}^{sup} Ext1 (Arg^{Ex}^{Ex}) Ext2 (Arg^{Ex}^{Ex}) Ext2 (Arg^{Ex}^{Ex}) = "Name_{sub}^{sup} Ext1 (Arg^{Ex}^{Ex}) Ext2 (Arg^{Ex}^{Ex}) = "Name_{sub}^{sup} Ext1 (Arg^{Ex}^{Ex}) Ext2 (Arg^{Ex}^{Ex}^{Ex}) = "Name_{sub}^{sup} Ext2 (Arg^{Ex}^{Ex}) = "Name_{sub}^{sup} Ext2 (Arg^{Ex}^{
                                                                                 \bullet \texttt{ \ \ } \texttt{ \ \ \ } \texttt{ \ \ } \texttt{ \ \ } \texttt{ \ \ } \texttt{ \ \ \ } \texttt{ \ \ } \texttt{ \ \ } \texttt{ \ \ \ } \texttt{ \ \ } \texttt{ \ \ \ } \texttt{ \ \ \ } \texttt{ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ } \texttt{ \ \ \ } \texttt{ \ \ \ } \texttt{ \ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ \ \ } \texttt{ \ \ \ \ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ \ \ } \texttt{ \ \ \ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ } \texttt{ \ \ } \texttt{ \ \ \ } \texttt{ \ \ } \texttt{ \ \ \ } \texttt{ \ \ } \texttt{ \ \ } \texttt{ \ \ } \texttt{ \ \ \ } \texttt{ \ \ \ } \texttt{ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ \ \ } \texttt{ \ \ \ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ \ \ } \texttt{ \ \ } \texttt{ \ \ } \texttt{ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ } \texttt{ \ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ \ \ \ } \texttt{ \ \ \ } \texttt{ \ \ \ \ \ } \texttt{ \ \ \ \ } \texttt{ \ \ \ \ \ } \texttt{ \ \ \ \ 
                                                                                 485 \DeclareRobustCommand{\mtharg}
                                                                                         {\ifexclavar{\newmthargsty!{\mthsty}}}{\newmthargsty{\mthsty}}}
          \mthoarg ... to do!
                                                                               • \mthoarg{Name} [sub] [sup] [Arg^{Ex^{Ex}}] = "Name_{sub}^{sup} (Arg^{Ex^{Ex}})"
                                                                                • \mthoarg[mathbf] {Name} [sub] [sup] [Arg^{Ex^{Ex}}] = "Name_{sub}^{sup} (Arg^{Ex^{Ex}})"
                                                                                • \mthoarg!{Name}[sub][sup][Arg^{Ex^{Ex}}] = "Name_{sub}^{sup}(Arg^{Ex^{Ex}})"
                                                                                 • \mthoarg! [mathbf] {Name} [sub] [sup] [Arg^{Ex^{Ex}}] = "Name_{sub}^{sup} (Arg^{Ex^{Ex}})"
                                                                                 \bullet \  \, \texttt{\  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  } \\ \texttt{\  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  \  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  \  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  \  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  \  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  \  \  } \\ \texttt{\  \  \  } \\ \texttt{\  \  \  \  \  } \\ \texttt{\  \  \  \  \  } \\ \texttt{\  \  \  \  } \\ \texttt{\  \  \  \  \  } \\ \texttt{\  \  \  \  } \\ 
                                                                   487 \DeclareRobustCommand{\mthoarg}
                                                                                               {\c {\tt \c lavar{\tt \c mthsty}}} {\tt \c mthsty}} 
                \mthpar ... to do!
                                                                                \bullet \verb| \mathbb{Sub}[sub][sup][Ext1] \{ Par^{Ex^{Ex}} \} \} [Ext2] = "Name^{sup}_{sub} Ext1 \Big[ Par^{Ex^{Ex}} \Big] Ext2" \} 
                                                                                • \mthpar[mathtt] {Name} [sub] [sup] [Ext1] {Par^{Ex^{Ex}}} [Ext2] = "Name _{sub}^{sup} Ext1 [Par^{Ex^{Ex}}] Ext2"
                                                                                 • \mthpar!{Name}[sub][sup][Ext1]{Par^{Ex^{Ex}}}[Ext2] = "Name_{col}^{sup}Ext1[Par^{Ex^{Ex}}]Ext2" = "Name_{col}^{sup}Ext1[Par^{Ex}]Ext2" = "Name_{col}^{sup}Ext1[Par^{Ex}]Ext2" = "Name_{col}^{sup}Ext2" = "Name_{co
                                                                                 489 \DeclareRobustCommand{\mthpar}
                                                                                           {\ifexclavar{\newmthparsty!{\mthsty}}{\newmthparsty{\mthsty}}}
          \mthopar ... to do!
```

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• \mthopar{Name}[sub][sup][Par^{Ex^{Ex}}] = "Name_{sub}^{sup}[Par^{Ex^{Ex}}]"
                                                        • \mthopar[mathbf] {Name} [sub] [sup] [Par^{Ex^{Ex}}] = "Name_{sub}^{sup} [Par^{Ex^{Ex}}]"
                                                         \bullet \ \texttt{\normalfont{Mame}[sub][sub][Par^{Ex^{}}]} = \texttt{\normalfont{Name}} \left[ Par^{Ex^{Ex}} \right] \texttt{\normalfont{\normalfont{Name}}} \\
                                                        • \mthopar!{Name}[sub][sup][Par^{Ex^{Ex}}] = "Name_{sub}^{sup}[Par^{Ex^{Ex}}]"
                                                        • \mthopar! [mathbf] {Name} [sub] [sup] [Par^{Ex^{Ex}}] = "Name_{sub}^{sup} [Par^{Ex^{Ex}}]"
                                                        • \mthopar! [mathtt] {Name} [sub] [sup] [Par^{Ex^{Ex}}] = "Name _{sub}^{sup} [Par^{Ex^{Ex}}]"
                                               491 \DeclareRobustCommand{\mthopar}
                                                                  {\ifexclavar{\newmthoparsty!{\mthsty}}}\newmthoparsty{\mthsty}}}
               \mthsty ... to do!
                                              493 \def\mthsty
                                               \cmdmth ... to do!
                                                        • \cmdmth{NewCmd}; \newcommand{mthstyNewCmd}{\mathtt};
                                                               \mbox{\t Name} [ \mbox{sup} ] [ \mbox{\t Ext} ] = \mbox{\t Name}_{sub}^{sup} Ext ]
                                                               \verb|\mbox| \verb| Mame| | [sub] [sup] [Ext] = \verb|\mbox| ame | sub | sub
                                               496 \DeclareRobustCommand{\cmdmth}[1]
                                               497 {\csdef{mth#1}%
                                                                         {\bf \{\protect\ifexclavar{\newmthsty!\{mthsty\#1\}}\}} \\
                                               498
   \cmdmtharg ... to do!
                                                        • \cmdmtharg{NewCmd}; \newcommand{mthstyNewCmd}{\mathtt};
                                                              \mthargNewCmd! {Name} [sub] [sup] [Ext1] {Arg^{Ex^{Ex}}} [Ext2] = Name_{sub}^{sup} Ext1(Arg^{Ex^{Ex}}) Ext2
                                               499 \DeclareRobustCommand{\cmdmtharg}[1]
                                                                  {\csdef{mtharg#1}%
                                                                          {\protect\ifexclavar{\newmthargsty!{mthsty#1}}}\newmthargsty{mthsty#1}}}
\cmdmthoarg ... to do!
                                                        • \cmdmthoarg{NewCmd}; \newcommand{mthstyNewCmd}{\mathtt};
                                                              \verb|\mbox| \verb|\mbox| | [sup] [Arg^{Ex^{Ex}}] = \verb|\mbox| | [sup] [Arg^{Ex^{Ex}}] = \verb|\mbox| | [sup] | [s
                                                               \verb|\mbox| \verb|\mbox| thoargNewCmd! {\tt Name} [sub] [sup] [\verb|\mbox| arg^{\{Ex^{\{Ex\}}\}}] = \verb|\mbox| arg^{Ex^{Ex}})
                                               502 \DeclareRobustCommand{\cmdmthoarg}[1]
                                               503 {\csdef{mthoarg#1}%
                                                                          {\protect\ifexclavar{\newmthoargsty!{mthsty#1}}}{\newmthoargsty{mthsty#1}}}}
                                               504
   \cmdmthpar ... to do!
                                                        • \cmdmthpar{NewCmd}; \newcommand{mthstyNewCmd}{\mathtt};
                                                               \verb|\mathparNewCmd{Name}[sub][sup][Ext1]{Par^{Ex^{}}}[Ext2] = \verb|\mathparNewCmd{Name}[sub]Ext1\Big[Par^{Ex^{Ex}}\Big]Ext2
                                                              505 \DeclareRobustCommand{\cmdmthpar}[1]
                                                              {\csdef{mthpar#1}%
                                               506
                                                                          {\protect\ifexclavar{\newmthparsty!{mthsty#1}}}\newmthparsty{mthsty#1}}}
                                               507
\cmdmthopar ... to do!
                                                        • \cmdmthopar{NewCmd}; \newcommand{mthstyNewCmd}{\mathtt};
                                                              \verb|\mbox| \label{eq:lambda} $$ \mathbb{E}^{sup}[Par^{Ex^{Ex}}] = \mathbb{E}^{sup}[Par^{Ex^{Ex}}] $
                                                              \verb|\mbox| \verb|\mbox| ThoparNewCmd! {\tt Name} [sub] [sup] [Par^{\tt Ex^{\tt Ex}}] = \verb|\mbox| ame $^{sup}_{sub} [Par^{Ex^{\tt Ex}}] = |\mbox| ame $^{sup}_{sub} [Par^{\tt Ex^{\tt Ex^{
                                               508 \DeclareRobustCommand{\cmdmthopar}[1]
                                                               {\csdef{mthopar#1}%
                                                                          {\protect\ifexclavar{\newmthoparsty!{mthsty#1}}}{\newmthoparsty{mthsty#1}}}}
                                               510
```

```
• \cmdmthall{NewCmd}; \newcommand{mthstyNewCmd}{\mathtt};
                                                                                                                                \mathcal{E}_{sub} [sub] [sup] [Ext] = \mathcal{E}_{sub}
                                                                                                                               \verb|\mathargNewCmd{Name}[sub][sup][Ext1]{Arg^{Ex^{*}}}[Ext2] = \verb|\mathargNewCmd{Name}[sub][sup][Ext1]{Arg^{Ex^{Ex}}}[Ext2] = \verb|\mathargNewCmd{Name}[sub][sup][ext1][arg^{*}][ext2] = \verb|\mathargNewCmd{Name}[sub][sup][ext1][arg^{*}][ext2] = \verb|\mathargNewCmd{Name}[sub][sup][ext1][arg^{*}][ext2] = \verb|\mathargNewCmd{Name}[sub][sup][ext1][arg^{*}][ext2][sub][sup][ext1][arg^{*}][ext2][sub][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][sub][ext2][su
                                                                                                                                \verb|\mbox| $\operatorname{Sup}(\operatorname{Ext1}) = \operatorname{Name}_{sub}^{sup} Ext1 \Big[ Par^{Ex^{Ex}} \Big] Ext2 \Big] = \operatorname{Name}_{sub}^{sup} Ext2 \Big[ Par^{Ex^{Ex}} \Big] Ext2 \Big[ Par^{Ex^{Ex}} \Big] = \operatorname{Name}_{sub}^{sup} Ext2 \Big[ Par^{Ex} \Big] = \operatorname{Name}_{sub}^{sup} Ext2 \Big[ Par^{Ex} \Big] = \operatorname{Name}_{sub}^{sup} Ext2 \Big[ Par^{Ex^{Ex}} \Big] = \operatorname{Name}_{sub}^{sup} Ext2 \Big[ Par^{Ex} \Big] = \operatorname{Name}_{sub}
                                                                                                                               \verb| mthparNewCmd! {Name} [sub] [sup] [Ext1] {Par^{Ex^{-}}{Ex}} [Ext2] = \verb| Name| | sub| | Ext1 [Par^{Ex^{-}}] | Ext2 | E
                                                                                                                               \label{eq:local_matter_exp} $$ \mathbf{Ex^{Ex}} = \mathbf{Name}_{sub}^{sup} \left[ Par^{Ex^{Ex}} \right] = \mathbf{Name}_{sub}^{sup} \left[ Par^{Ex} \right] = \mathbf{Name}_{sub}^{sup} \left[ Par^{E
                                                                                                                               \verb|\mbox| \label{eq:lambda} $$ \mathbb{E}^{sup}[Par^{Ex^{Ex}}] = \mathbb{E}^{sup}[Par^{Ex^{Ex}}] $$
                                                                                                    511 \DeclareRobustCommand{\cmdmthall}[1]
                                                                                                                                  {\cmdmth{#1}\cmdmtharg{#1}\cmdmthoarg{#1}\cmdmthpar{#1}\cmdmthopar{#1}}
                                         \usrmth ... to do!
                                                                                                                   • \usrmth{cmdName}{Suf}{};
                                                                                                                                \c MameSuf = cmdName
                                                                                                                                 \column{4}{c} 
                                                                                                                                 \usrmth{cmdName}{Suf}{arg};
                                                                                                                                \label{eq:local_cond_name} $$ \operatorname{Arg^{Ex^{Ex}}}$ = cmdName \Big( Arg^{Ex^{Ex}} \Big) $$
                                                                                                                                \label{eq:cmdName} $$\operatorname{Lx}^{Ex}$ = cmdName(Arg^{Ex^{E}})$
                                                                                                                                \usrmth{cmdName}{Suf}{par};
                                                                                                                               \label{eq:cmdName} $$\operatorname{Par}^{Ex^{Ex}}$ = cmdName | Par^{Ex^{Ex}}$
                                                                                                                               \verb|\cmdNameSuf!{Par^{Ex^{Ex}}}| = cmdName[Par^{Ex^{Ex}}]|
                                                                                                                     \usrmth{cmdName}{Suf}{} [newName];
                                                                                                                                \verb|\cmdNameSuf| = newName|
                                                                                                                                 \c NameSuf* = newName*
                                                                                                                                 \usrmth{cmdName}{Suf}{arg}[newName];
                                                                                                                                \label{eq:cmdNameSuf} $$\operatorname{Arg}^{Ex^{Ex}}$$ = newName\left(Arg^{Ex^{Ex}}\right)$
                                                                                                                                \verb|\cmdNameSuf!{Arg^{Ex^{Ex}}}| = newName(Arg^{Ex^{Ex}})
                                                                                                                                \usrmth{cmdName}{Suf}{par}[newName];
                                                                                                                                \label{eq:cmdNameSuf} $$ \operatorname{Ex^{Ex}}$ = newName \left[Par^{Ex^{Ex}}\right] $$
                                                                                                                               \label{eq:cmdNameSuf!} $$\operatorname{Ex^{Ex}}$ = newName[Par^{Ex^{Ex}}]$
                                                                                                   514 \DeclareRobustCommandx{\usrmth}[4][4=]
                                                                                                   515 {\csdef{#1#2}%
                                                                                                   516
                                                                                                                                                    {\protect\ifexclavar%
                                                                                                                                                                 {\csname mth#3\endcsname!{\defval{#4}{#1}}}%
                                                                                                    517
                                                                                                                                                                 {\csname mth#3\endcsname{\defval{#4}{#1}}}}
\usrmthlatlow ... to do!
                                                                                                  520 \DeclareRobustCommandx{\usrmthlatlow}[4][4=]
                                                                                                                                      {\mbox{"1#2}{\#3}[\#4] \seqoflatlow{$\#1$}}
\usrmthlatupp ... to do!
                                                                                                    522 \DeclareRobustCommandx{\usrmthlatupp}[4][4=]
                                                                                                                               {\usrmth{#1}{#2}{#3}[#4]\seqoflatupp{#1#2}{mth#3}}
\usrmthlatlet ... to do!
                                                                                                    524 \DeclareRobustCommandx{\usrmthlatlet}[4][4=]
                                                                                                    525 {\usrmth{#1}{#2}{#3}[#4]\seqoflatlet{#1#2}{mth#3}}
```

 \c mdmthall ... to do!

```
\usrmthgrklow ... to do!
               526 \DeclareRobustCommandx{\usrmthgrklow}[4][4=]
               527 \quad \{ \text{\t wsrmth} \{\#1\} \{\#2\} \{\#3\} \, [\#4] \, \text{\t seqofgrklow} \{\#1\#2\} \{ \#3\} \} \}
\usrmthgrkupp ... to do!
               528 \DeclareRobustCommandx{\usrmthgrkupp}[4][4=]
               529 \{ \text{wsrmth} \{ \#1 \} \{ \#3 \} [ \#4 ] \ seqofgrkupp \{ \#1 \#2 \} \{ \#3 \} \} \}
\usrmthgrklet ... to do!
               530 \DeclareRobustCommandx{\usrmthgrklet}[4][4=]
               531 {\usrmth{#1}{#2}{#3}[#4]\seqofgrklet{#1#2}{mth#3}}
   \usrmthlow ... to do!
               532 \DeclareRobustCommandx{\usrmthlow}[4][4=]
               533 \qquad \{\usrmth{\#1}{\#2}{\#3}[\#4] \seqoflow{\#1\#2}{mth\#3}\}
   \usrmthupp ... to do!
               534 \DeclareRobustCommandx{\usrmthupp}[4][4=]
               535 {\usrmth{#1}{#2}{#3}[#4]\seqofupp{#1#2}{mth#3}}
    \usrmthlet ... to do!
               536 \DeclareRobustCommandx{\usrmthlet}[4][4=]
               537 {\usrmth{#1}{#2}{#3}[#4]\seqoflet{#1#2}{mth#3}}
               542 \iftxtgen@
      \txtdef ... to do!
   \txtargdef
                  ullet \txtdef{Name}[sub][sup][Ext] = Name^{sup}_{sub}Ext
   \txtpardef
                  ullet \txtargdef{Name}[sub][sup][Ext1]{Arg}[Ext2] = Name_{sub}^{sup}Ext1(Arg)Ext2
                  • \txtpardef{Name}[sub][sup][Ext1]{Par}[Ext2] = Name_{sub}^{sup}Ext1[Par]Ext2
               543 %% Style for Definitions
               544 \cmdtxtall{def}
               545 \end{\text{\command}} \hbfseries\end{\text{\command}} \hbfseries\end{\text{\command}} \hbfseries\end{\command}
   \cmdtxtdef ... to do!
                  • \cmdtxtdef{cmdName};
                   \verb|\cmdName[sub][sub][ext]| = cmdName_{sub}^{sub}ext
                  • \cmdtxtdef{cmdName}[newName];
                   \verb|\cmdName[sub][sub][ext]| = newName_{sub}^{sub}ext
               546 \DeclareRobustCommandx{\cmdtxtdef}[2][2=]
               547 {\usrtxt{#1}{}{def}[#2]}
\cmdtxtargdef ... to do!
                  \cmdtxtargdef{cmdName};
                   \cmdName[sub][sub][ext1]\{arg\}[ext2] = cmdName_{sub}^{sub}ext1(arg)ext2
                  \cmdtxtargdef{cmdName}[newName];
                   \cmdName[sub][sub][ext1]{arg}[ext2] = newName^{sub}_{sub}ext1(arg)ext2
               548 \DeclareRobustCommandx{\cmdtxtargdef}[2][2=]
               549 {\usrtxt{#1}{}{argdef}[#2]}
\cmdtxtoargdef ... to do!
                  • \cmdtxtoargdef{cmdName};
                   \verb|\cmdName[sub][sub][arg]| = cmdName_{sub}^{sub}(arg)
                  \cmdtxtoargdef{cmdName}[newName];
                   \verb|\cmdName[sub][sub][arg]| = newName_{sub}^{sub}(arg)
```

```
550 \DeclareRobustCommandx{\cmdtxtoargdef}[2][2=]
                                                                {\usrtxt{#1}{}{oargdef}[#2]}
   \cmdtxtpardef ... to do!
                                                           • \cmdtxtpardef{cmdName};
                                                                 \cmdName[sub][sub][ext1][par][ext2] = cmdName^{sub}_{sub}ext1[par]ext2
                                                            \cmdtxtpardef{cmdName}[newName];
                                                                 \verb|\cmdName[sub][sub][ext1]{par}[ext2] = newName_{sub}^{sub}ext1[par]ext2
                                                    552 \DeclareRobustCommandx{\cmdtxtpardef}[2][2=]
                                                                {\usrtxt{#1}{}{pardef}[#2]}
\cmdtxtopardef ... to do!
                                                           • \cmdtxtopardef{cmdName};
                                                                 \colon = cmdName[sub][sub][par] = cmdName[sub][par]
                                                            \cmdtxtopardef{cmdName}[newName];
                                                                 \colon = newName[sub][sub][par] = newName[sub][par]
                                                    554 \DeclareRobustCommandx{\cmdtxtopardef}[2][2=]
                                                   555 {\usrtxt{#1}{}{opardef}[#2]}
                      \txtabr ... to do!
             \txtargabr
                                                           ullet \txtabr{Name}[sub][sup][Ext] = Name_{
m sub}^{
m sup}Ext
             \txtparabr
                                                            \bullet \ \texttt{\txtargabr{Name}[sub][sup][Ext1]{Arg}[Ext2]} = Name^{\sup}_{\sup} Ext1(Arg) Ext2 
                                                            \bullet \ \texttt{\txtparabr{Name}[sub][sup][Ext1]{Par}[Ext2]} = Name^{\sup}_{\sup} Ext1[Par]Ext2
                                                   556 \%\% Style for Abbreviations
                                                   557 \cmdtxtall{abr}
                                                   558 \DeclareRobustCommand{\txtstyabr}{\em}
             \cmdtxtabr ... to do!
                                                           • \cmdtxtabr{cmdName};
                                                                 \colon colon col
                                                           • \cmdtxtabr{cmdName} [newName];
                                                                 \colon colon col
                                                    559 \DeclareRobustCommandx{\cmdtxtabr}[2][2=]
                                                   560 {\usrtxt{#1}{}{abr}[#2]}
   \cmdtxtargabr ... to do!
                                                           • \cmdtxtargabr{cmdName};
                                                                 \cmdName[sub][sub][ext1]{arg}[ext2] = cmdName_{sub}^{sub}ext1(arg)ext2
                                                            • \cmdtxtargabr{cmdName}[newName];
                                                                 \cmdName[sub][sub][ext1]{arg}[ext2] = newName_{sub}^{sub}ext1(arg)ext2
                                                    561 \DeclareRobustCommandx{\cmdtxtargabr}[2][2=]
                                                                {\usrtxt{#1}{}{argabr}[#2]}
\cmdtxtoargabr ... to do!
                                                           • \cmdtxtoargabr{cmdName};
                                                                 \colon dName[sub][sub][arg] = cmdName_{sub}^{sub}(arg)
                                                           • \cmdtxtoargabr{cmdName}[newName];
                                                                 \verb|\cmdName[sub][sub][arg]| = newName_{\rm sub}^{\rm sub}(arg)
                                                    563 \DeclareRobustCommandx{\cmdtxtoargabr}[2][2=]
                                                   564 {\usrtxt{#1}{}{oargabr}[#2]}
   \cmdtxtparabr ... to do!
                                                           • \cmdtxtparabr{cmdName};
                                                                 \verb|\cmdName[sub][sub][ext1]{par}[ext2] = cmdName_{sub}^{sub}ext1[par]ext2|
                                                            • \cmdtxtparabr{cmdName}[newName];
                                                                 \verb|\cmdName[sub][sub][ext1]{par}[ext2] = newName_{sub}^{sub}ext1[par]ext2|
```

```
565 \DeclareRobustCommandx{\cmdtxtparabr}[2][2=]
                                                                     {\usrtxt{#1}{}{parabr}[#2]}
   \cmdtxtoparabr ... to do!
                                                                \cmdtxtoparabr{cmdName};
                                                                     \verb|\cmdName[sub][sub][par]| = cmdName_{\rm sub}^{\rm sub}/par|
                                                                \cmdtxtoparabr{cmdName}[newName];
                                                                     \verb|\cmdName[sub][sub][par]| = newName_{\rm sub}^{\rm sub}/par|
                                                       567 \DeclareRobustCommandx{\cmdtxtoparabr}[2][2=]
                                                                   {\usrtxt{#1}{}{oparabr}[#2]}
                                                       \txtname ... to do!
             \txtargname
                                                                \bullet \ \texttt{\txtname{Name}[sub][sup][Ext]} = Name^{SUP}_{SUB}EXT 
             \txtparname
                                                               • \text{txtargname}\{\text{Name}\}[\text{sub}][\text{sup}][\text{Ext1}]\{\text{Arg}\}[\text{Ext2}] = \text{Name}_{\text{SUB}}^{\text{SUP}}\text{Ext1}(\text{Arg})\text{Ext2}
                                                               • \text{txtparname}\{\text{Name}\}[\text{sub}][\text{sup}][\text{Ext1}]\{\text{Par}\}[\text{Ext2}] = \text{Name}_{\text{SUB}}^{\text{SUP}}\text{Ext1}[\text{Par}]\text{Ext2}
                                                        570 %% Style for Names
                                                        571 \cmdtxtall{name}
                                                       572 \DeclareRobustCommand{\txtstyname}{\normalfont\mdseries\scshape\sffamily}
             \cmdtxtname ... to do!
                                                               • \cmdtxtname{cmdName};
                                                                     \verb|\cmdName[sub][sub][ext]| = \texttt{CMDNAME}^{\texttt{SUB}}_{\texttt{SUB}} \texttt{EXT}
                                                                • \cmdtxtname{cmdName}[newName];
                                                                     573 \DeclareRobustCommandx{\cmdtxtname}[2][2=]
                                                                    {\usrtxt{#1}{}{name}[#2]}
   \cmdtxtargname ... to do!
                                                               • \cmdtxtargname{cmdName};
                                                                     \label{lem:cmdName} $$ \operatorname{[sub][sub][ext1]}_{arg}[ext2] = \operatorname{CMDNAME}_{SUB}^{SUB} \operatorname{EXT1}(\operatorname{ARG}) \operatorname{EXT2} $$
                                                                • \cmdtxtargname{cmdName}[newName];
                                                                     \verb|\cmdName[sub][sub][ext1]{arg}[ext2] = \verb|\newName[sub][sub][ext1]{arg}[ext2] = \verb|\newName[sub][sub][ext1]{arg}[ext2] = \verb|\newName[sub][ext1][ext2][ext2] = \verb|\newName[sub][ext1][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][
                                                       575 \DeclareRobustCommandx{\cmdtxtargname}[2][2=]
                                                       576 {\usrtxt{#1}{}{argname}[#2]}
\cmdtxtoargname ... to do!
                                                               • \cmdtxtoargname{cmdName};
                                                                     \colon 
                                                               • \cmdtxtoargname{cmdName}[newName];
                                                                     \verb|\cmdName[sub][sub][arg]| = NEWNAME_{SUB}^{SUB}(ARG)
                                                        577 \DeclareRobustCommandx{\cmdtxtoargname}[2][2=]
                                                                   {\usrtxt{#1}{}{oargname}[#2]}
   \cmdtxtparname ... to do!
                                                               • \cmdtxtparname{cmdName};
                                                                      \verb|\cmdName[sub][sub][ext1]{par}[ext2] = CMDNAME_{SUB}^{SUB}EXT1[PAR]EXT2
                                                                • \cmdtxtparname{cmdName}[newName];
                                                                      \label{lem:lemman} $$ \operatorname{Sub}[\operatorname{sub}][\operatorname{ext1}]_{\operatorname{par}}[\operatorname{ext2}] = \operatorname{NEWNAME}_{\operatorname{SUB}}^{\operatorname{SUB}} \operatorname{EXT1}[\operatorname{PAR}] \operatorname{EXT2} $$
                                                       579 \DeclareRobustCommandx{\cmdtxtparname}[2][2=]
                                                                     {\usrtxt{#1}{}{parname}[#2]}
\cmdtxtoparname ... to do!
                                                               • \cmdtxtoparname{cmdName};
                                                                     \label{eq:cmdName} $$ \cmdName[sub][sub][par] = CMDNAME_{SUB}^{SUB}[PAR] $$
                                                                \cmdtxtoparname{cmdName}[newName];
                                                                     \verb|\cmdName[sub][sub][par]| = \verb|\NEWNAME_{SUB}^{SUB}[PAR]|
```

```
581 \DeclareRobustCommandx{\cmdtxtoparname}[2][2=]
                             582 {\usrtxt{#1}{}{oparname}[#2]}
             \txtcom ... to do!
       \txtargcom
                                 • \txtcom{Name}[sub][sup][Ext] = NAME_SUBEXT
       \txtparcom
                                 • \t xtargcom{Name}[sub][sup][Ext1]{Arg}[Ext2] = NAME_{SUB}^{SUP}EXT1(ARG)EXT2
                                  • \txtparcom{Name}[sub][sup][Ext1]{Par}[Ext2] = NAME_{SUB}^{SUP}EXT1[PAR]EXT2
                             583 %% Style for Complexities
                             584 \cmdtxtall{com}
                             585 \DeclareRobustCommand{\txtstycom}{\normalfont\mdseries\scshape\rmfamily}
       \cmdtxtcom ... to do!
                                 • \cmdtxtcom{cmdName};
                                    • \cmdtxtcom{cmdName} [newName];
                                    \verb|\cmdName[sub][sub][ext]| = \verb|\cmdName[sub][sub][ext]| = \verb|\cmdName[sub][sub][ext]|
                             586 \DeclareRobustCommandx{\cmdtxtcom}[2][2=]
                             587 {\usrtxt{#1}{}{com}[#2]}
 \cmdtxtargcom ... to do!
                                 • \cmdtxtargcom{cmdName};
                                    \verb|\cmdName[sub][sub][ext1]{arg}[ext2] = \verb|\cmdName[sub][sub][ext1]{arg}[ext2] = \verb|\cmdName[sub][sub][ext1][ext2] = \verb|\cmdName[sub][ext1][ext2] = \verb|\cmdName[sub][ext1][ext2] = \verb|\cmdName[sub][ext1][ext2] = \verb|\cmdName[sub][ext1][ext2] = \verb|\cmdName[sub][ext1][ext2] = \verb|\cmdName[sub][ext1][ext2] = \verb|\cmdName[sub][ext1][ext2][ext2] = \verb|\cmdName[sub][ext1][ext2][ext2][ext2][ext2][ext2] = \verb|\cmdName[sub][ext1][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2]
                                  • \cmdtxtargcom{cmdName} [newName];
                                    \cmdName[sub][sub][ext1]{arg}[ext2] = NEWNAME_{SUB}^{SUB}EXT1(ARG)EXT2
                             588 \DeclareRobustCommandx{\cmdtxtargcom}[2][2=]
                             589 {\usrtxt{#1}{}{argcom}[#2]}
\cmdtxtoargcom ... to do!
                                  \cmdtxtoargcom{cmdName};
                                    \cmdName[sub][sub][arg] = CMDNAME_{SUB}^{SUB}(ARG)
                                 • \cmdtxtoargcom{cmdName}[newName];
                                     \colon = NEWNAME_{SUB}^{SUB}(ARG)
                             590 \DeclareRobustCommandx{\cmdtxtoargcom}[2][2=]
                             591 {\usrtxt{#1}{}{oargcom}[#2]}
 \cmdtxtparcom ... to do!
                                 • \cmdtxtparcom{cmdName}:
                                    \cmdName[sub][sub][ext1]{par}[ext2] = CMDNAME_{SUB}^{SUB}EXT1[PAR]EXT2
                                  • \cmdtxtparcom{cmdName} [newName];
                                    \verb|\cmdName[sub][sub][ext1]{par}[ext2] = \verb|\cmdName[sub][sub][ext1][PAR]EXT2|
                             592 \DeclareRobustCommandx{\cmdtxtparcom}[2][2=]
                                    {\usrtxt{#1}{}{parcom}[#2]}
\cmdtxtoparcom ... to do!
                                 • \cmdtxtoparcom{cmdName};
                                    \colon = CMDNAME_{SUB}^{SUB}[PAR]
                                 • \cmdtxtoparcom{cmdName}[newName];
                                    \colon = NEWNAME_{SUB}^{SUB}[PAR]
                             594 \DeclareRobustCommandx{\cmdtxtoparcom}[2][2=]
                                     {\usrtxt{#1}{}{oparcom}[#2]}
                             596 \fi
                             601 \ifmthgen@
```

```
\mthname ... to do!
    \mthargname
                     • \mthname{NAME}[sub][sup][Ext] = \mathcal{NAME}_{sub}^{sup}Ext
    \mthparname
                     • \mthargname{\name}[\sub][\sup][\ext1]{\arg^{\infty}}[\ext2] = \mathcal{N} A \mathcal{M} \mathcal{E}^{\sup}_{\sub} E x t 1 \Big( A r g^{Ex^{Ex}} \Big) E x t 2
                      • \mthargname! {NAME} [sub] [sup] [Ext1] {Arg^{Ex^{}}} [Ext2] = \mathcal{NAME}^{sup}_{sub} Ext1(Arg^{Ex^{Ex}}) Ext2
                     • \mthparname! {NAME} [sub] [sup] [Ext1] {Par^{Ex^{Ex}}} [Ext2] = \mathcal{NAME}_{sub}^{sup} Ext1[Par^{Ex^{Ex}}] Ext2
                   602 %% Style for Names
                   603 \cmdmthall{name}
                   604 \DeclareRobustCommand{\mthstyname}{\mathcal}
          \AName ... to do!
             \ldots 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
                   605 \seqoflatupp{Name}{mthname}
    \cmdmthname ... to do!
                     • \cmdmthname{CMDNAME};
                        \CMDNAMEName[sub][sub][ext] = \mathcal{CMDNAME}_{sub}^{sub}ext
                     • \cmdmthname{cmdName}[NEWNAME];
                        \cmdNameName[sub][sub][ext] = \mathcal{NEWNAME}_{sub}^{sub}ext
                   606 \DeclareRobustCommandx{\cmdmthname}[2][2=]
                       {\usrmth{#1}{Name}{name}[#2]}
 \cmdmthargname ... to do!
                     • \cmdmthargname{CMDNAME};
                        \verb|\CMDNAMEName[sub][sub][ext1]{arg}[ext2] = \mathcal{CMDNAME}_{sub}^{sub}ext1(arg)ext2
                      • \cmdmthargname{cmdName}[NEWNAME];
                       \cmdNameName[sub][sub][ext1]{arg}[ext2] = \mathcal{NEWNAME}_{sub}^{sub}ext1(arg)ext2
                   608 \DeclareRobustCommandx{\cmdmthargname}[2][2=]
                        {\usrmth{#1}{Name}{argname}[#2]}
\cmdmthoargname ... to do!
                     • \cmdmthoargname{CMDNAME};
                       \verb|\CMDNAMEName[sub][sub][arg]| = \mathcal{CMDNAME}_{sub}^{sub}(arg)
                      • \cmdmthoargname{cmdName}[NEWNAME];
                        \verb|\cmdNameName[sub][sub][arg]| = \mathcal{NEWNAME}_{sub}^{sub}(arg)
                   610 \DeclareRobustCommandx{\cmdmthoargname}[2][2=]
                       {\usrmth{#1}{Name}{oargname}[#2]}
 \cmdmthparname ... to do!
                      \cmdmthparname{CMDNAME};
                       \verb|\CMDNAMEName[sub][sub][ext1]{par}[ext2] = \mathcal{CMDNAME}_{sub}^{sub}ext1[par]ext2
                      • \cmdmthparname{cmdName}[NEWNAME];
                       \cmdNameName[sub][sub][ext1]{par}[ext2] = \mathcal{NEWNAME}_{sub}^{sub}ext1[par]ext2
                   612 \DeclareRobustCommandx{\cmdmthparname}[2][2=]
                  613 {\usrmth{#1}{Name}{parname}[#2]}
\cmdmthoparname ... to do!
                      • \cmdmthoparname{CMDNAME};
                       \CMDNAMEName[sub][sub][par] = \mathcal{CMDNAME}_{sub}^{sub}[par]
                     • \cmdmthoparname{cmdName}[NEWNAME];
                       \cmdNameName[sub][sub][par] = \mathcal{NEWNAME}_{sub}^{sub}[par]
                   614 \DeclareRobustCommandx{\cmdmthoparname}[2][2=]
                   615 {\usrmth{#1}{Name}{oparname}[#2]}
         \mthfam ... to do!
     \mthargfam
```

\mthparfam

```
• \mthargfam{NAME} [sub] [sup] [Ext1] {Arg^{Ex^{Ex}}} [Ext2] = \mathcal{N}\mathcal{A}\mathcal{M}\mathcal{E}_{sub}^{sup} Ext1 \Big(Arg^{Ex^{Ex}}\Big) Ext2
                         • \mthargfam! {NAME} [sub] [sup] [Ext1] {Arg^{Ex^{}}} [Ext2] = \mathcal{NAME}_{sub}^{sup} Ext1(Arg^{Ex^{Ex}}) Ext2
                        \bullet \  \  \, \texttt{ \mthparfam! \{NAME\}[sub][sup][Ext1] \{Par^{\{Ex^{\{Ex\}\}}\}[Ext2]} = \mathcal{NAME}_{sub}^{sup}Ext1[Par^{Ex^{Ex}}]Ext2]} = \mathcal{NAME}_{sub}^{sup}Ext1[Par^{Ex^{Ex}}]Ext2] = \mathcal{NAME}_{sub}^{sup}Ext1[Par^{Ex^{Ex}}]Ext2] = \mathcal{NAME}_{sub}^{sup}Ext1[Par^{Ex^{Ex}}]Ext2] = \mathcal{NAME}_{sub}^{sup}Ext1[Par^{Ex^{Ex}}]Ext2
                     616 %% Style for Families
                     617 \cmdmthall{fam}
                     618 \DeclareRobustCommand{\mthstyfam}{\mathscr}
            \AFam ... to do!
               \dots \, \mathscr{A}, \mathscr{B}, \mathscr{C}, \mathscr{D}, \mathscr{E}, \mathscr{F}, \mathscr{G}, \mathscr{H}, \mathscr{I}, \mathscr{J}, \mathscr{K}, \mathscr{L}, \mathscr{M}, \mathscr{N}, \mathscr{O}, \mathscr{P}, \mathscr{Q}, \mathscr{R}, \mathscr{S}, \mathscr{T}, \mathscr{U}, \mathscr{V}, \mathscr{W}, \mathscr{X}, \mathscr{Y}, \mathscr{Z}
                     619 \seqoflatupp{Fam}{mthfam}
     \cmdmthfam ... to do!
                         \cmdmthfam{CMDNAME};
                           \CMDNAMEFam[sub][sub][ext] = \mathscr{CMDNAMEFam}[sub][sub][ext]
                        • \cmdmthfam{cmdName}[NEWNAME];
                           \cmdNameFam[sub][sub][ext] = \mathcal{NEWNAME}_{sub}^{sub}ext
                     620 \DeclareRobustCommandx{\cmdmthfam}[2][2=]
                     621 {\usrmth{#1}{Fam}{fam}[#2]}
 \cmdmthargfam ... to do!
                        • \cmdmthargfam{CMDNAME};
                           \CMDNAMEFam[sub][sub][ext1]{arg}[ext2] = \mathscr{CMDNAMEFam}[sub][sub][ext1]{arg}[ext2]
                         • \cmdmthargfam{cmdName}[NEWNAME];
                           \verb|\cmdNameFam[sub][sub][ext1]{arg}[ext2] = \mathscr{NEWNAME}^{sub}_{sub}ext1(arg)ext2
                     622 \DeclareRobustCommandx{\cmdmthargfam}[2][2=]
                     623 {\usrmth{#1}{Fam}{argfam}[#2]}
\cmdmthoargfam ... to do!
                         \cmdmthoargfam{CMDNAME};
                           \verb|\CMDNAMEFam[sub][sub][arg]| = \mathscr{CMDNAMEFam}[sub][sub][arg]| = \mathscr{CMDNAMEFam}[sub][sub][sub][arg]|
                         \cmdmthoargfam{cmdFam}[NEWNAME];
                           \verb|\cmdFamFam[sub][sub][arg]| = \mathscr{NEWNAME}^{sub}_{sub}(arg)
                     624 \DeclareRobustCommandx{\cmdmthoargfam}[2][2=]
                     625 {\usrmth{#1}{Fam}{oargfam}[#2]}
 \cmdmthparfam ... to do!
                        \cmdmthparfam{CMDNAME};
                           \verb|\CMDNAMEFam[sub][sub][ext1]{par}[ext2] = \mathscr{CMDNAMEFam}[sub][sub][ext1][par][ext2]
                         • \cmdmthparfam{cmdName}[NEWNAME];
                           \verb|\cmdNameFam[sub][sub][ext1]{par}[ext2] = \mathscr{NEWNAME}^{sub}_{sub}ext1[par]ext2
                     626 \DeclareRobustCommandx{\cmdmthparfam}[2][2=]
                          {\usrmth{#1}{Fam}{parfam}[#2]}
\cmdmthoparfam ... to do!
                         \cmdmthoparfam{CMDNAME};
                           \CMDNAMEFam[sub][sub][par] = \mathscr{CMDNAMEFam}[sub][par]
                         \cmdmthoparfam{cmdFam}[NEWNAME];
                           \verb|\cmdFamFam[sub][sub][par]| = \mathscr{NEWNAME}_{sub}^{sub}[par]
                     628 \DeclareRobustCommandx{\cmdmthoparfam}[2][2=]
                     629 {\usrmth{#1}{Fam}{oparfam}[#2]}
         \mthcls ... to do!
     \mthargcls
                        • \mthcls{NAME}[sub][sup][Ext] = \mathcal{NAME}_{sub}^{sup}Ext
     \mthparcls
```

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• \mthargcls{NAME}[sub][sup][Ext1]{Arg^{Ex^{Ex}}}[Ext2] = NAME_{sub}^{sup}Ext1(Arg^{Ex^{Ex}})Ext2
                                                  \bullet \ \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \  } \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{
                                                  • \mthparcls{NAME}[sub][sup][Ext1]{Par^{Ex^{Ex}}}[Ext2] = \mathcal{NAME}_{sub}^{sup}Ext1[Par^{Ex^{Ex}}]Ext2
                                                  • \mthparcls! {NAME} [sub] [sup] [Ext1] {Par^{Ex^{Ex}}} [Ext2] = \mathcal{NAME}^{sup}_{coll} Ext1[Par^{Ex^{Ex}}] Ext2
                                           630 %% Style for Classes
                                           631 \cmdmthall{cls}
                                           632 \DeclareRobustCommand{\mthstycls}{\matheus}
                        \ACls ... to do!
                              \dots A, B, C, D, E, F, G, H, J, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z
                                           633 \seqoflatupp{Cls}{mthcls}
          \cmdmthcls ... to do!
                                                  \cmdmthcls{CMDNAME};
                                                      \verb|\CMDNAMECls[sub][sub][ext]| = \verb|\CMDNAME| sub| ext|
                                                  • \cmdmthcls{cmdName}[NEWNAME];
                                                      \cmdNameCls[sub][sub][ext] = \mathcal{NEWNAME}_{sub}^{sub}ext
                                           634 \DeclareRobustCommandx{\cmdmthcls}[2][2=]
                                           635 {\usrmth{#1}{Cls}{cls}[#2]}
  \cmdmthargcls ... to do!
                                                  • \cmdmthargcls{CMDNAME};
                                                       \CMDNAMECls[sub][sub][ext1]{arg}[ext2] = \mathbb{CMDNAME}_{sub}^{sub}ext1(arg)ext2
                                                  • \cmdmthargcls{cmdName}[NEWNAME]:
                                                      \cmdNameCls[sub][sub][ext1]{arg}[ext2] = \mathcal{NEWNAME}_{sub}^{sub}ext1(arg)ext2
                                           636 \DeclareRobustCommandx{\cmdmthargcls}[2][2=]
                                                      {\usrmth{#1}{Cls}{argcls}[#2]}
\cmdmthoargcls ... to do!
                                                  • \cmdmthoargcls{CMDNAME};
                                                      \CMDNAMECls[sub][sub] [arg] = \mathcal{CMDNAME}_{sub}^{sub}(arg)
                                                  • \cmdmthoargcls{cmdCls}[NEWNAME];
                                                      \cmdClsCls[sub] [sub] [arg] = NEWNAME_{sub}^{sub}(arg)
                                           638 \DeclareRobustCommandx{\cmdmthoargcls}[2][2=]
                                                      {\usrmth{#1}{Cls}{oargcls}[#2]}
  \cmdmthparcls ... to do!
                                                  • \cmdmthparcls{CMDNAME};
                                                      \CMDNAMECls[sub] [sub] [ext1] {par} [ext2] = \text{CMDNAME}_{sub}^{sub} ext1[par] ext2
                                                  • \cmdmthparcls{cmdName}[NEWNAME];
                                                      \verb|\cmdNameCls[sub][sub][ext1]{par}[ext2] = NEWNAME_{sub}^{sub}ext1[par]ext2|
                                           640 \DeclareRobustCommandx{\cmdmthparcls}[2][2=]
                                           641 {\usrmth{#1}{Cls}{parcls}[#2]}
\cmdmthoparcls ... to do!
                                                  • \cmdmthoparcls{CMDNAME};
                                                      \CMDNAMECls[sub][sub][par] = \text{CMDNAME}_{sub}^{sub}[par]
                                                  • \cmdmthoparcls{cmdCls}[NEWNAME];
                                                      \verb|\cmdClsCls[sub][par]| = \verb|NEWNAME|_{sub}^{sub}[par]|
                                           642 \DeclareRobustCommandx{\cmdmthoparcls}[2][2=]
                                           643 {\usrmth{#1}{Cls}{oparcls}[#2]}
                   \mthsig ... to do!
           \mthargsig
                                                  • \mthsig{Name}[sub][sup][Ext] = \mathcal{N}_{ame_{sub}}^{sup}Ext
           \mthparsig
                                                  • \mthargsig{Name} [sub] [sup] [Ext1] {Arg^{Ex^{Ex}}} [Ext2] = Name_{sub}^{sup} Ext1 (Arg^{Ex^{Ex}}) Ext2
```

```
• \mthargsig! {Name} [sub] [sup] [Ext1] {Arg^{Ex^{}}} [Ext2] = \Re me_{sub}^{sup} Ext1(Arg^{Ex^{Ex}}) Ext2
                                                              • \mthparsig{Name}[sub][sup][Ext1]{Par^{Ex^{-}}{Ex}}}[Ext2] = Name^{sup}_{sub}Ext1[Par^{Ex^{-}}]Ext2
                                                              • \mthparsig! {Name} [sub] [sup] [Ext1] {Par^{Ex^{Ex}}} [Ext2] = Name_{sub}^{sup} Ext1 [Par^{Ex^{Ex}}] Ext2
                                                     644 %% Style for Signatures
                                                      645 \cmdmthall{sig}
                                                     646 \DeclareRobustCommand{\mthstysig}{\mathpzc}
                              \aSig ... to do!
                                     ... a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, \chi, y, z
                                                  \mathcal{A}, \mathcal{B}, \mathcal{C}, \mathcal{D}, \mathcal{E}, \mathcal{F}, \mathcal{G}, \mathcal{H}, \mathcal{I}, \mathcal{I}, \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}
                                                  \alpha, \beta, \gamma, \delta, \epsilon, \varepsilon, \zeta, \eta, \theta, \vartheta, \iota, \kappa, \varkappa, \lambda, \mu, \nu, \xi, o, \pi, \varpi, \rho, \varrho, \sigma, \varsigma, \tau, \upsilon, \phi, \varphi, \chi, \psi, \omega
                                                     647 \seqoflatlet{Sig}{mthsig}\seqofgrklow{Sig}{mthsig}
             \cmdmthsig ... to do!
                                                             • \cmdmthsig{cmdName};
                                                                   \cmdNameSig[sub][sub][ext] = cmdName_{sub}^{sub}ext
                                                              • \cmdmthsig{cmdName}[NewName];
                                                                   \colon d NameSig[sub][sub][ext] = \colon e \colon d \colon e \colon
                                                     648 \DeclareRobustCommandx{\cmdmthsig}[2][2=]
                                                                    {\usrmth{#1}{Sig}{sig}[#2]}
   \cmdmthargsig ... to do!
                                                             • \cmdmthargsig{cmdName};
                                                                   \verb|\cmdNameSig[sub][sub][ext1]{arg}[ext2] = \textit{cmdName}_{sub}^{sub}ext1(arg)ext2
                                                              • \cmdmthargsig{cmdName}[NewName];
                                                                   \cmdNameSig[sub][sub][ext1]{arg}[ext2] = \c NewName sub ext1(arg)ext2
                                                      650 \DeclareRobustCommandx{\cmdmthargsig}[2][2=]
                                                                   {\usrmth{#1}{Sig}{argsig}[#2]}
\cmdmthoargsig ... to do!
                                                             • \cmdmthoargsig{cmdName};
                                                                   \colon = cmdNameSig[sub][sub][arg] = cmdName_{sub}^{sub}(arg)
                                                              \cmdmthoargsig{cmdSig}[NewName];
                                                                   \verb|\cmdSigSig[sub][sub][arg]| = \textit{NewName}^{sub}_{sub}(arg)
                                                     652 \DeclareRobustCommandx{\cmdmthoargsig}[2][2=]
                                                                   {\usrmth{#1}{Sig}{oargsig}[#2]}
   \cmdmthparsig ... to do!
                                                             • \cmdmthparsig{cmdName};
                                                                   \verb|\cmdNameSig[sub][sub][ext1]{par}[ext2] = cmd Name_{sub}^{sub} ext1[par] ext2
                                                              • \cmdmthparsig{cmdName}[NewName];
                                                                   \verb|\cmdNameSig[sub][sub][ext1]{par}[ext2] = \textit{NewName}_{sub}^{sub}ext1[par]ext2
                                                     654 \DeclareRobustCommandx{\cmdmthparsig}[2][2=]
                                                     655 {\usrmth{#1}{Sig}{parsig}[#2]}
\cmdmthoparsig ... to do!
                                                              \cmdmthoparsig{cmdName};
                                                                   \verb|\cmdNameSig[sub][sub][par]| = \textit{cmdName}_{sub}^{sub}[par]|
                                                              • \cmdmthoparsig{cmdSig}[NewName];
                                                                   \verb|\cmdSigSig[sub][sub][par]| = \textit{NewName}^{sub}_{sub}[par]|
                                                      656 \DeclareRobustCommandx{\cmdmthoparsig}[2][2=]
                                                     657 {\usrmth{#1}{Sig}{oparsig}[#2]}
                       \mthstr ... to do!
              \mthargstr
                                                             ullet \mthstr{Name}[sub][sup][Ext] = \mathfrak{Name}_{sub}^{sup}Ext
              \mthparstr
                                                             \bullet \ \texttt{\ \ } [\texttt{Ext1}] \ \{\texttt{Arg}^{\texttt{\ }} \{\texttt{Ex}^{\texttt{\ }}\}\} \ [\texttt{Ext2}] \ = \ \mathfrak{Name}^{sup}_{sub} Ext1 \Big(Arg^{Ex^{Ex}}\Big) Ext2 \\ = \ \mathfrak{Name}^{sup}_{sub} Ext2 \\ = \ \mathfrak{Name}^{sub}_{sub} Ext2 \\
```

```
• \mthargstr!{Name}[sub][sup][Ext1]{Arg^{Ex^{Ex}}}}[Ext2] = \mathfrak{Name}_{sub}^{sup}Ext1(Arg^{Ex^{Ex}})Ext2
                                                                         \bullet \ \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ \ 
                                                                          \bullet \  \  \, \texttt{ \mthparstr! \{Name\}[sub][sup][Ext1]\{Par^{\{Ex^{}\}}\}[Ext2]} = \mathfrak{Name}^{sup}_{sub}Ext1[Par^{Ex^{Ex}}]Ext2]
                                                                658 %% Style for Structures
                                                                659 \cmdmthall{str}
                                                                660 \DeclareRobustCommand{\mthstystr}{\mathfrak}
                                             ... \mathfrak{a}, \mathfrak{b}, \mathfrak{c}, \mathfrak{d}, \mathfrak{e}, \mathfrak{f}, \mathfrak{g}, \mathfrak{h}, \mathfrak{i}, \mathfrak{j}, \mathfrak{k}, \mathfrak{l}, \mathfrak{m}, \mathfrak{n}, \mathfrak{o}, \mathfrak{p}, \mathfrak{q}, \mathfrak{r}, \mathfrak{s}, \mathfrak{t}, \mathfrak{u}, \mathfrak{v}, \mathfrak{w}, \mathfrak{r}, \mathfrak{g}, \mathfrak{g}
                                                            \mathfrak{A}, \mathfrak{B}, \mathfrak{C}, \mathfrak{D}, \mathfrak{E}, \mathfrak{F}, \mathfrak{G}, \mathfrak{H}, \mathfrak{I}, \mathfrak{I}, \mathfrak{K}, \mathfrak{L}, \mathfrak{M}, \mathfrak{N}, \mathfrak{D}, \mathfrak{P}, \mathfrak{Q}, \mathfrak{R}, \mathfrak{G}, \mathfrak{T}, \mathfrak{U}, \mathfrak{W}, \mathfrak{X}, \mathfrak{Y}, \mathfrak{Z}
                                                            \alpha, \beta, \gamma, \delta, \epsilon, \varepsilon, \zeta, \eta, \theta, \vartheta, \iota, \kappa, \varkappa, \lambda, \mu, \nu, \xi, \mathfrak{o}, \pi, \varpi, \rho, \varrho, \sigma, \varsigma, \tau, \upsilon, \phi, \varphi, \chi, \psi, \omega
                                                               661 \seqoflatlet{Str}{mthstr}\seqofgrklow{Str}{mthstr}
                \cmdmthstr ... to do!
                                                                         • \cmdmthstr{cmdName};
                                                                                \cmdNameStr[sub][sub][ext] = cmdMame_{sub}^{sub}ext
                                                                          • \cmdmthstr{cmdName}[NewName];
                                                                                \verb|\cmdNameStr[sub][sub][ext]| = \mathfrak{NewName}_{sub}^{sub} ext|
                                                                662 \DeclareRobustCommandx{\cmdmthstr}[2][2=]
                                                                               {\usrmth{#1}{Str}{str}[#2]}
   \cmdmthargstr ... to do!
                                                                         • \cmdmthargstr{cmdName};
                                                                                \verb|\cmdNameStr[sub][sub][ext1]{arg}[ext2] = \verb|\cmdName|^{sub}_{sub}ext1(arg)ext2
                                                                          • \cmdmthargstr{cmdName}[NewName];
                                                                                \cmdNameStr[sub] [sub] [ext1] {arg} [ext2] = \mathfrak{NewName}_{sub}^{sub} ext1(arg) ext2
                                                                664 \DeclareRobustCommandx{\cmdmthargstr}[2][2=]
                                                                               {\usrmth{#1}{Str}{argstr}[#2]}
\cmdmthoargstr ... to do!
                                                                         • \cmdmthoargstr{cmdName};
                                                                                \colon dNameStr[sub][sub][arg] = cmd Mame_{sub}^{sub}(arg)
                                                                          • \cmdmthoargstr{cmdStr}[NewName];
                                                                                \verb|\cmdStrStr[sub][sub][arg]| = \mathfrak{NewName}_{sub}^{sub}(arg)
                                                                666 \DeclareRobustCommandx{\cmdmthoargstr}[2][2=]
                                                                                {\usrmth{#1}{Str}{oargstr}[#2]}
   \cmdmthparstr ... to do!
                                                                         • \cmdmthparstr{cmdName};
                                                                                \verb|\cmdNameStr[sub][sub][ext1][par][ext2] = cmd \mathfrak{Name}_{sub}^{sub} ext1[par]ext2
                                                                          • \cmdmthparstr{cmdName} [NewName];
                                                                                \verb|\cmdNameStr[sub][sub][ext1][par][ext2] = \mathfrak{NewName}_{sub}^{sub}ext1[par]ext2
                                                                668 \DeclareRobustCommandx{\cmdmthparstr}[2][2=]
                                                                               {\usrmth{#1}{Str}{parstr}[#2]}
\cmdmthoparstr ... to do!
                                                                          \cmdmthoparstr{cmdName};
                                                                                \verb|\cmdNameStr[sub][sub][par]| = \mathfrak{cmdMame}_{sub}^{sub}[par]|
                                                                          • \cmdmthoparstr{cmdStr}[NewName];
                                                                                \c Manuel Manu
                                                                670 \DeclareRobustCommandx{\cmdmthoparstr}[2][2=]
                                                               671 {\usrmth{#1}{Str}{oparstr}[#2]}
                             \mthset ... to do!
                 \mthargset
                                                                         • \mthset{Name}[sub][sup][Ext] = Name_{sub}^{sup}Ext
                \mthparset
                                                                         • \mthargset{Name}[sub][sup][Ext1]{Arg^{Ex^{Ex}}}[Ext2] = Name_{sub}^{sup}Ext1(Arg^{Ex^{Ex}})Ext2
```

```
• \mthargset!{Name}[sub][sup][Ext1]{Arg^{Ex^{}}}[Ext2] = Name_{sub}^{sup}Ext1(Arg^{Ex^{Ex}})Ext2
                    672 %% Style for Sets
                  673 \cmdmthall{set}
                  674 \DeclareRobustCommand{\mthstyset}{\mathrm}
    \mthargset 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
    \mthparset 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
                 \alpha, \beta, \gamma, \delta, \epsilon, \varepsilon, \zeta, \eta, \theta, \vartheta, \iota, \kappa, \varkappa, \lambda, \mu, \nu, \xi, o, \pi, \varpi, \rho, \varrho, \sigma, \varsigma, \tau, \upsilon, \phi, \varphi, \chi, \psi, \omega
                 A, B, \Gamma, \Delta, E, E, Z, H, \Theta, \Theta, I, K, K, \Lambda, M, N, \Xi, O, \Pi, \Pi, P, P, \Sigma, \Sigma, T, \Upsilon, \Phi, \Phi, X, \Psi, \Omega
                  675 \seqoflet{Set}{mthset}
    \cmdmthset ... to do!
                    • \cmdmthset{cmdName};
                       \colon dNameSet[sub][sub][ext] = cmdName_{sub}^{sub}ext
                     • \cmdmthset{cmdName}[NewName];
                       \colon = NewName_{sub}^{sub}[sub][ext] = NewName_{sub}^{sub}ext
                  676 \DeclareRobustCommandx{\cmdmthset}[2][2=]
                  677 {\usrmth{#1}{Set}{set}[#2]}
 \cmdmthargset ... to do!
                    • \cmdmthargset{cmdName};
                       \cmdNameSet[sub][sub][ext1]{arg}[ext2] = cmdName_{sub}^{sub}ext1(arg)ext2
                     • \cmdmthargset{cmdName}[NewName];
                       \colon = NewName (sub) [sub] [ext1] {arg} [ext2] = NewName (sub) ext1 (arg) ext2
                  678 \DeclareRobustCommandx{\cmdmthargset}[2][2=]
                       {\usrmth{#1}{Set}{argset}[#2]}
\cmdmthoargset ... to do!
                    • \cmdmthoargset{cmdName};
                       \colon = cmdNameSet[sub][sub][arg] = cmdName_{sub}^{sub}(arg)
                    • \cmdmthoargset{cmdSet}[NewName];
                       \verb|\cmdSetSet[sub][sub][arg]| = NewName_{sub}^{sub}(arg)
                  680 \DeclareRobustCommandx{\cmdmthoargset}[2][2=]
                       {\usrmth{#1}{Set}{oargset}[#2]}
 \cmdmthparset ... to do!
                    • \cmdmthparset{cmdName};
                       \verb|\cmdNameSet[sub][sub][ext1]{par}[ext2] = cmdName_{sub}^{sub}ext1[par]ext2|
                     • \cmdmthparset{cmdName}[NewName];
                       \colon = NewName_{sub}^{sub}[sub][ext1][par][ext2] = NewName_{sub}^{sub}ext1[par]ext2
                  682 \DeclareRobustCommandx{\cmdmthparset}[2][2=]
                      {\usrmth{#1}{Set}{parset}[#2]}
\cmdmthoparset ... to do!
                     \cmdmthoparset{cmdName};
                       \verb|\cmdNameSet[sub][sub][par]| = cmdName_{sub}^{sub}[par]|
                     \cmdmthoparset{cmdSet}[NewName];
                       \verb|\cmdSetSet[sub][par]| = NewName_{sub}^{sub}[par]|
                  684 \DeclareRobustCommandx{\cmdmthoparset}[2][2=]
                      {\usrmth{#1}{Set}{oparset}[#2]}
```

```
\cmdmthsetext ... to do!
                      686 \DeclareRobustCommandx{\cmdmthsetext}[3][2=, 3=]
                      687 {\cmdmthset{#1}[#2]\caselower[q]{#1}%
                           \usrmthlet{\thestring}{Sym}{sym}
                      688
                                [\defval{#3}{\defval{\mpchk{#2}}{\defval{\mpchk{#2}}}}]%
                      689
                             \usrmthlet{\thestring}{Elm}{elm}
                      690
                                [\defval{#3}{\defval{\mpchk{#2}}{\defval{\mpchk{#2}}}} \label{eq:lowercase{#2}}} \label{eq:lowercase{#2}}
                      691
          \mthrel ... to do!
     \mthargrel
                         • \mthrel{Name}[sub][sup][Ext] = Name_{sub}^{sup}Ext
     \mthparrel
                         • \mthargrel{Name}[sub][sup][Ext1]{Arg^{Ex^{Ex}}}[Ext2] = Name^{sup}_{sub}Ext1(Arg^{Ex^{Ex}})Ext2
                         \bullet \  \  \, \texttt{\bargrel!{Name}[sub][sub][Ext1]{Arg^{Ex^{*}}[Ext2]}} = Name_{sub}^{sup}Ext1(Arg^{Ex^{Ex}})Ext2
                          \bullet \ \texttt{\normalfine}[sub][sup][Ext1] \{ Par^{Ex^{f}} \} \} [Ext2] = Name_{sub}^{sup} Ext1 \Big[ Par^{Ex^{Ex}} \Big] Ext2 
                         • \mthparrel!{Name}[sub][sup][Ext1]{Par^{Ex^{Ex}}}[Ext2] = Name_{sub}^{sup}Ext1[Par^{Ex^{Ex}}]Ext2
                      692 %% Style for Relations
                      693 \cmdmthall{rel}
                      694 \DeclareRobustCommand{\mthstyrel}{\mathit}
            \aRel ... to do!
               \dots 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, L, T, U, V, W, X, Y, Z
                     \alpha,\,\beta,\,\gamma,\,\delta,\,\epsilon,\,\varepsilon,\,\zeta,\,\eta,\,\theta,\,\vartheta,\,\iota,\,\kappa,\,\varkappa,\,\lambda,\,\mu,\,\nu,\,\xi,\,o,\,\pi,\,\varpi,\,\rho,\,\varrho,\,\sigma,\,\varsigma,\,\tau,\,\upsilon,\,\phi,\,\varphi,\,\chi,\,\psi,\,\omega
                     A,\ B,\ \Gamma,\ \Delta,\ E,\ E,\ Z,\ H,\ \Theta,\ \Theta,\ I,\ K,\ K,\ \Lambda,\ M,\ N,\ \Xi,\ O,\ \Pi,\ \Pi,\ P,\ P,\ \Sigma,\ \Sigma,\ T,\ \varUpsilon,\ \varPhi,\ \varPhi,\ X,\ \Psi,\ \Omega
                      695 \seqoflet{Rel}{mthrel}
     \cmdmthrel ... to do!
                         • \cmdmthrel{cmdName};
                            \verb|\cmdNameRel[sub][sub][ext]| = cmdName_{sub}^{sub}ext
                         • \cmdmthrel{cmdName}[NewName];
                            \verb|\cmdNameRel[sub][sub][ext]| = NewName_{sub}^{sub}ext
                      696 \DeclareRobustCommandx{\cmdmthrel}[2][2=]
                      697 {\usrmth{#1}{Rel}{rel}[#2]}
 \cmdmthargrel ... to do!
                         • \cmdmthargrel{cmdName};
                            \verb|\cmdNameRel[sub][sub][ext1]{arg}[ext2] = cmdName_{sub}^{sub}ext1(arg)ext2
                         • \cmdmthargrel{cmdName}[NewName];
                            \verb|\cmdNameRel[sub][sub][ext1]{arg}[ext2] = NewName_{sub}^{sub}ext1(arg)ext2
                      698 \DeclareRobustCommandx{\cmdmthargrel}[2][2=]
                      699 {\usrmth{#1}{Rel}{argrel}[#2]}
\cmdmthoargrel ... to do!
                         \cmdmthoargrel{cmdName};
                            \colon dNameRel[sub][sub][arg] = cmdName_{sub}^{sub}(arg)
                         • \cmdmthoargrel{cmdRel}[NewName];
                            \colon drel [sub] [sub] [arg] = NewName_{sub}^{sub} (arg)
                      700 \DeclareRobustCommandx{\cmdmthoargrel}[2][2=]
                      701 {\usrmth{#1}{Rel}{oargrel}[#2]}
 \cmdmthparrel ... to do!
                         \cmdmthparrel{cmdName};
                            \verb|\cmdNameRel[sub][sub][ext1][par][ext2]| = cmdName_{sub}^{sub}ext1[par]ext2|
                         • \cmdmthparrel{cmdName}[NewName];
                            \colon dNameRel[sub][sub][ext1][par][ext2] = NewName_{sub}^{sub}ext1[par]ext2
                      702 \DeclareRobustCommandx{\cmdmthparrel}[2][2=]
                      703 {\usrmth{#1}{Rel}{parrel}[#2]}
```

```
\cmdmthoparrel ... to do!
                                                                                         • \cmdmthoparrel{cmdName};
                                                                                                  \cmdNameRel[sub][sub][par] = cmdName_{sub}^{sub}[par]
                                                                                        • \cmdmthoparrel{cmdRel}[NewName];
                                                                                                  \colon condRelRel[sub][sub][par] = NewName_{sub}^{sub}[par]
                                                                              704 \DeclareRobustCommandx{\cmdmthoparrel}[2][2=]
                                                                             705 {\usrmth{#1}{Rel}{oparrel}[#2]}
                                   \mthfun ... to do!
                    \mthargfun
                                                                                        • \mthfun{Name} [sub] [sup] [Ext] = Name_{sub}^{sup}Ext
                    \mthparfun
                                                                                        \bullet \  \, \texttt{\continuous} \ 
                                                                                         \bullet \  \  \, \texttt{\bar{Lxt1}[Sup][Ext1][Arg^{Ex^{-}}]} \  \  \, \texttt{\bar{Ext2}} \  \, = \  \  \, \texttt{\bar{Name}} \  \, \texttt{\bar{Ext1}(Arg^{Ex^{Ex}})} \  \, \texttt{\bar{Ext2}} \  \, = \  \, \texttt{\bar{Ext1}(Arg^{Ex^{Ex}})} \  \, \texttt{\bar{Ext2}} \  \, = \  \, \texttt{\bar{Ext2}(Arg^{Ex^{Ex}})} \  \, \texttt{\bar{Ext2}(Arg^
                                                                                        \bullet \  \  \, \texttt{Name} \  \  \, \texttt{[sub] [sup] [Ext1] \{Par^{\{Ex^{\{Ex\}}\}}\}[Ext2]} \  \, = \  \  \, \texttt{Name} \  \  \, \\ \text{$sub$ $Ext1$} \  \, \left[Par^{Ex^{Ex}}\right]Ext2] \  \, = \  \  \, \\ \text{$sub$ $ext2$} \  \, \left[Par^{Ex^{Ex}}\right]Ext2 \  \, \right] \  \, \\ \text{$ext2$} \  \, \left[Par^{Ex^{Ex}}\right]Ext2 \  \, \left[Par^{Ex^{Ex}}\right]Ext2 \  \, \\ \text{$ext2$} \  \, \left[Par^{Ex^{Ex}}\right]Ext2 \  \, \left[Par^{Ex^{Ex}}\right]Ext2 \  \, \right] \  \, \\ \text{$ext2$} \  \, \left[Par^{Ex^{Ex}}\right]Ext2 \  \, \left[Par^{Ex^{Ex}}\right]Ext2 \  \, \left[Par^{Ex^{Ex}}\right]Ext2 \  \, \right] \  \, \\ \text{$ext2$} \  \, \left[Par^{Ex^{Ex}}\right]Ext2 \  \, \left[Par^{Ex}\right]Ext2 \  \, \left[Par^
                                                                                        706 %% Style for Functions
                                                                              707 \cmdmthall{fun}
                                                                              708 \DeclareRobustCommand{\mthstyfun}{\mathsf}
                                           \aFun ... to do!
                                                      \dots 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
                                                                         \alpha,\,\beta,\,\gamma,\,\delta,\,\epsilon,\,\varepsilon,\,\zeta,\,\eta,\,\theta,\,\vartheta,\,\iota,\,\kappa,\,\varkappa,\,\lambda,\,\mu,\,\nu,\,\xi,\,\mathsf{o},\,\pi,\,\varpi,\,\rho,\,\varrho,\,\sigma,\,\varsigma,\,\tau,\,\upsilon,\,\phi,\,\varphi,\,\chi,\,\psi,\,\omega
                                                                         A, B, \Gamma, \Delta, E, E, Z, H, \Theta, \Theta, I, K, K, \Lambda, M, N, \Xi, O, \Pi, P, P, \Sigma, \Sigma, T, \Upsilon, \Phi, \Phi, X, \Psi, \Omega
                                                                             709 \seqoflet{Fun}{mthfun}
                   \cmdmthfun ... to do!
                                                                                        • \cmdmthfun{cmdName};
                                                                                                 \verb|\cmdNameFun[sub][sub][ext]| = \verb|\cmdName|^{sub}_{sub} ext|
                                                                                         • \cmdmthfun{cmdName}[NewName];
                                                                                                 \cmbox{\cmdNameFun[sub][sub][ext]} = \cmbox{\cmdNameFun[sub]} = \cmbox{\cmdNameFun[sub]}
                                                                              710 \DeclareRobustCommandx{\cmdmthfun}[2][2=]
                                                                                              {\usrmth{#1}{Fun}{fun}[#2]}
    \cmdmthargfun ... to do!
                                                                                        • \cmdmthargfun{cmdName};
                                                                                                 \cmdNameFun[sub][sub][ext1]{arg}[ext2] = cmdName_{sub}^{sub}ext1(arq)ext2
                                                                                        • \cmdmthargfun{cmdName}[NewName];
                                                                                                  \verb|\cmdNameFun[sub][sub][ext1]{arg}[ext2] = \verb|\NewName|^{sub}_{sub}ext1(arg)ext2
                                                                             712 \DeclareRobustCommandx{\cmdmthargfun}[2][2=]
                                                                             713 {\usrmth{#1}{Fun}{argfun}[#2]}
\cmdmthoargfun ... to do!
                                                                                        • \cmdmthoargfun{cmdName};
                                                                                                 \colon = cmdNameFun[sub][sub][arg] = cmdName_{sub}^{sub}(arg)
                                                                                         • \cmdmthoargfun{cmdFun}[NewName];
                                                                                                 \verb|\cmdFunFun[sub][sub][arg]| = \verb|\NewName|_{sub}^{sub}(arg)
                                                                             714 \DeclareRobustCommandx{\cmdmthoargfun}[2][2=]
                                                                             715 {\usrmth{#1}{Fun}{oargfun}[#2]}
    \cmdmthparfun ... to do!
                                                                                        • \cmdmthparfun{cmdName};
                                                                                                 \verb|\cmdNameFun[sub][sub][ext1]{par}[ext2] = \verb|\cmdName$| sub| ext1[par]ext2|
                                                                                         • \cmdmthparfun{cmdName} [NewName];
                                                                                                 \cmdNameFun[sub][sub][ext1]{par}[ext2] = NewName_{sub}^{sub}ext1[par]ext2
                                                                              716 \DeclareRobustCommandx{\cmdmthparfun}[2][2=]
                                                                              717 {\usrmth{#1}{Fun}{parfun}[#2]}
```

```
\cmdmthoparfun ... to do!
                                                                                               \cmdmthoparfun{cmdName};
                                                                                                        \verb|\cmdNameFun[sub][sub][par]| = \verb|\cmdNameSub|[par]|
                                                                                              • \cmdmthoparfun{cmdFun}[NewName];
                                                                                                        \cmbox{cmdFunFun[sub][sub][par]} = NewName_{sub}^{sub}[par]
                                                                                   718 \DeclareRobustCommandx{\cmdmthoparfun}[2][2=]
                                                                                  719 {\usrmth{#1}{Fun}{oparfun}[#2]}
                                     \mthsym ... to do!
                     \mthargsym
                                                                                              \bullet \ \texttt{\baselinestym}[\texttt{Sup}] \ [\texttt{Ext}] \ = \ \texttt{Name}^{sup}_{sub} Ext
                     \mthparsym
                                                                                               • \mthargsym{Name}[sub][sup][Ext1]{Arg^{Ex^{Ex}}}[Ext2] = Name_{sub}^{sup}Ext1(Arg^{Ex^{Ex}})Ext2
                                                                                               \bullet \  \  \, \texttt{\bare}[Sub][Sub][Ext1] \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \ \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \ \, \\ \  \ \, \\ \  \ \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \\ \  \  \, \, \\ \  \  \, \\ \  \  \, \, \\ \ \ \, \, \\ \ \ \, \, \\ \ \, \, \\ \  \ \, \, \\ \  \ \, \, \\ \  \, \, \\ \  \  \, 
                                                                                               \bullet \  \  \, \texttt{\bare}[Sub][Sub][Ext1] \  \, \{\texttt{Par}^{\{\texttt{Ex}^{}\}}\}[\texttt{Ext2}] \  \, = \  \, \texttt{\bare}^{sup}_{sub}Ext1[Par^{Ex^{Ex}}]Ext2] \  \, = \  \, \texttt{\bare}^{sub}_{sub}Ext1[Par^{Ex^{Ex}}]Ext2 \  \, = \  \, \texttt{\bare}^{sub}_{sub}Ext2[Par^{Ex^{Ex}}]Ext2 \  \, = \  \, \texttt{\bare}^{sub}_{sub}Ext2[Par^{Ex^{Ex}}]Ext2 \  \, = \  \, \texttt{\bare}^{sub}_{sub}Ext2[Par^{Ex^{Ex}}]Ext2 \  \, = \  \, \texttt{\bare}^{sub}_{sub}Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{Ex^{Ex}}]Ext2[Par^{E
                                                                                   720 %% Style for Symbols
                                                                                   721 \cmdmthall{sym}
                                                                                   722 \DeclareRobustCommand{\mthstysym}{\mathtt}
                                              \aSym ... to do!
                                                          ... 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
                                                                              \alpha,\,\beta,\,\gamma,\,\delta,\,\epsilon,\,\varepsilon,\,\zeta,\,\eta,\,\theta,\,\vartheta,\,\iota,\,\kappa,\,\varkappa,\,\lambda,\,\mu,\,\nu,\,\xi,\,\mathsf{o},\,\pi,\,\varpi,\,\rho,\,\varrho,\,\sigma,\,\varsigma,\,\tau,\,\upsilon,\,\phi,\,\varphi,\,\chi,\,\psi,\,\omega
                                                                              A, B, \Gamma, \Delta, E, E, Z, H, \Theta, \Theta, I, K, K, \Lambda, M, N, \Xi, O, \Pi, \Pi, P, P, \Sigma, \Sigma, T, \Upsilon, \Phi, \Phi, X, \Psi, \Omega
                                                                                 723 \seqoflet{Sym}{mthsym}
                    \cmdmthsym ... to do!
                                                                                              • \cmdmthsym{cmdName};
                                                                                                        \colon colon col
                                                                                               • \cmdmthsym{cmdName}[NewName];
                                                                                                        \colon colon col
                                                                                   724 \DeclareRobustCommandx{\cmdmthsym}[2][2=]
                                                                                                        {\usrmth{#1}{Sym}{sym}[#2]}
    \cmdmthargsym ... to do!
                                                                                              • \cmdmthargsym{cmdName};
                                                                                                        \cmdNameSym[sub][sub][ext1]{arg}[ext2] = cmdName<math>_{sub}^{sub}ext1(arq)ext2
                                                                                              • \cmdmthargsym{cmdName}[NewName];
                                                                                                        \cmdNameSym[sub][sub][ext1]{arg}[ext2] = NewName_{sub}^{sub}ext1(arq)ext2
                                                                                  726 \DeclareRobustCommandx{\cmdmthargsym}[2][2=]
                                                                                                        {\usrmth{#1}{Sym}{argsym}[#2]}
\cmdmthoargsym ... to do!
                                                                                              \cmdmthoargsym{cmdName};
                                                                                                        • \cmdmthoargsym{cmdSym}[NewName];
                                                                                                        \c mdSymSym[sub][sub][arg] = NewName_{sub}^{sub}(arg)
                                                                                  728 \DeclareRobustCommandx{\cmdmthoargsym}[2][2=]
                                                                                                      {\usrmth{#1}{Sym}{oargsym}[#2]}
    \cmdmthparsym ... to do!
                                                                                               \cmdmthparsym{cmdName};
                                                                                                        \cmdNameSym[sub][sub][ext1]{par}[ext2] = cmdName_{sub}^{sub}ext1[par]ext2
                                                                                               • \cmdmthparsym{cmdName}[NewName];
                                                                                                        \verb|\cmdNameSym[sub][sub][ext1]{par}[ext2] = \verb|\cmdNamesub| ext1[par]ext2|
                                                                                   730 \DeclareRobustCommandx{\cmdmthparsym}[2][2=]
                                                                                                      {\usrmth{#1}{Sym}{parsym}[#2]}
```

```
\cmdmthoparsym ... to do!
                                                                                    \cmdmthoparsym{cmdName};
                                                                                             \verb|\cmdNameSym[sub][sub][par]| = \verb|\cmdNames|^{sub}_{sub}[par]|
                                                                                    • \cmdmthoparsym{cmdSym}[NewName];
                                                                                            732 \DeclareRobustCommandx{\cmdmthoparsym}[2][2=]
                                                                         733 {\usrmth{#1}{Sym}{oparsym}[#2]}
                                 \mthelm ... to do!
                   \mthargelm
                                                                                    \bullet \ \  \  \, \texttt{Name} \texttt{[sub][sup][Ext]} = Name_{sub}^{sup}Ext
                   \mthparelm
                                                                                    • \mthargelm{Name} [sub] [sup] [Ext1] {Arg^{Ex^{Ex}}} [Ext2] = Name_{sub}^{sup} Ext1 (Arg^{Ex^{Ex}}) Ext2
                                                                                    \bullet \  \, \texttt{\colored} \ 
                                                                                    \bullet \  \, \texttt{Name}[\texttt{Sub}][\texttt{Sup}][\texttt{Ext1}] \\ \{\texttt{Par}^{\{\texttt{Ex}^{}\}}\}[\texttt{Ext2}] \\ = Name_{sub}^{sup}Ext1\Big[Par^{Ex^{Ex}}\Big]Ext2\Big] \\ = Name_{sub}^{sup}Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex^{Ex}}\Big]Ext2\Big[Par^{Ex}\Big]Ext2\Big[Par^{Ex}}\Big]Ext2\Big[Par^{Ex}\Big]Ext2\Big[Par^{Ex}\Big]Ext2\Big[Par^{Ex}\Big]Ext2\Big[Par^{Ex}\Big]Ext2\Big[
                                                                                    \bullet \verb| \t Par^{Ex^{2}}| [Ext1] = Name_{sub}^{sup} Ext1[Par^{Ex^{Ex}}] Ext2] = Name_{sub}^{sup} Ext1[Par^{Ex^{Ex}}] Ext2[Par^{Ex^{Ex}}] Ext2[Par^{
                                                                         734 %% Style for Elements
                                                                         735 \cmdmthall{elm}
                                                                         736 \DeclareRobustCommand{\mthstyelm}{\mathnormal}
                                         \aElm ... to do!
                                                   \dots \ 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
                                                                     \alpha,\,\beta,\,\gamma,\,\delta,\,\epsilon,\,\varepsilon,\,\zeta,\,\eta,\,\theta,\,\vartheta,\,\iota,\,\kappa,\,\varkappa,\,\lambda,\,\mu,\,\nu,\,\xi,\,o,\,\pi,\,\varpi,\,\rho,\,\varrho,\,\sigma,\,\varsigma,\,\tau,\,\upsilon,\,\phi,\,\varphi,\,\chi,\,\psi,\,\omega
                                                                     A,\,B,\,\Gamma,\,\Delta,\,E,\,E,\,Z,\,H,\,\Theta,\,\Theta,\,I,\,K,\,K,\,\Lambda,\,M,\,N,\,\Xi,\,O,\,\Pi,\,\Pi,\,P,\,P,\,\Sigma,\,\Sigma,\,T,\,\Upsilon,\,\Phi,\,\Phi,\,X,\,\Psi,\,\Omega
                                                                        737 \seqoflet{Elm}{mthelm}
                  \cmdmthelm ... to do!
                                                                                    • \cmdmthelm{cmdName};
                                                                                            \colon dNameElm[sub][sub][ext] = cmdName_{sub}^{sub}ext
                                                                                    • \cmdmthelm{cmdName}[NewName];
                                                                                            \colon = NewName_{sub}^{sub}[sub][ext] = NewName_{sub}^{sub}ext
                                                                         738 \DeclareRobustCommandx{\cmdmthelm}[2][2=]
                                                                                         {\usrmth{#1}{Elm}{elm}[#2]}
    \cmdmthargelm ... to do!
                                                                                    • \cmdmthargelm{cmdName};
                                                                                            \verb|\cmdNameElm[sub][sub][ext1]{arg}[ext2] = cmdName_{sub}^{sub}ext1(arg)ext2
                                                                                    • \cmdmthargelm{cmdName}[NewName];
                                                                                             \verb|\cmdNameElm[sub][sub][ext1]{arg}[ext2] = NewName_{sub}^{sub}ext1(arg)ext2
                                                                         740 \DeclareRobustCommandx{\cmdmthargelm}[2][2=]
                                                                                           {\usrmth{#1}{Elm}{argelm}[#2]}
\cmdmthoargelm ... to do!
                                                                                    • \cmdmthoargelm{cmdName};
                                                                                            \colon = cmdNameElm[sub][sub][arg] = cmdName_{sub}^{sub}(arg)
                                                                                    • \cmdmthoargelm{cmdElm}[NewName];
                                                                                            \verb|\cmdElmElm[sub][sub][arg]| = NewName_{sub}^{sub}(arg)
                                                                         742 \DeclareRobustCommandx{\cmdmthoargelm}[2][2=]
                                                                         743 {\usrmth{#1}{Elm}{oargelm}[#2]}
    \cmdmthparelm ... to do!
                                                                                    • \cmdmthparelm{cmdName};
                                                                                            \verb|\cmdNameElm[sub][sub][ext1]{par}[ext2] = cmdName_{sub}^{sub}ext1[par]ext2|
                                                                                    • \cmdmthparelm{cmdName}[NewName];
                                                                                            \verb|\cmdNameElm[sub][sub][ext1]{par}[ext2] = NewName_{sub}^{sub}ext1[par]ext2
                                                                         744 \DeclareRobustCommandx{\cmdmthparelm}[2][2=]
                                                                         745 {\usrmth{#1}{Elm}{parelm}[#2]}
```

```
\cmdmthoparelm ... to do!
                                                                                                              • \cmdmthoparelm{cmdName};
                                                                                                                       \colonerge{cmdNameElm[sub][sub][par]} = cmdName^{sub}_{sub}[par]
                                                                                                              • \cmdmthoparelm{cmdElm}[NewName];
                                                                                                                       \verb|\cmdElmElm[sub][sub][par]| = NewName_{sub}^{sub}[par]|
                                                                                                 746 \DeclareRobustCommandx{\cmdmthoparelm}[2][2=]
                                                                                                                       {\usrmth{#1}{Elm}{oparelm}[#2]}
                   \cmdmthsymelm ... to do!
                                                                                                              • \cmdmthsymelm{cmdName};
                                                                                                                       \colon colon col
                                                                                                                       \colonerge{cmdNameElm[sub][sub][ext]} = cmdName^{sub}_{sub}ext
                                                                                                              • \cmdmthsymelm{cmdName}[NewName];
                                                                                                                       \colon colon col
                                                                                                                       \cmdNameElm[sub][sub][ext] = NewName_{sub}^{sub}ext
                                                                                                 749 \DeclareRobustCommandx{\cmdmthsymelm}[2][2=]
                                                                                                                           {\cmdmthsym{#1}[#2]%
                                                                                                                           \cmdmthelm{#1}[#2]}
    \cmdmthargsymelm ... to do!
                                                                                                              \cmdmthargsymelm{cmdName};
                                                                                                                       \verb|\cmdNameSym[sub][sub][ext1]{arg}[ext2] = \verb|\cmdName|| sub|| ext1|| (arg)ext2||
                                                                                                                       \colone{condNameElm[sub][sub][ext1]{arg}[ext2]} = cmdName^{sub}_{sub}ext1(arg)ext2
                                                                                                              • \cmdmthargsymelm{cmdName}[NewName];
                                                                                                                       \verb|\cmdNameSym[sub][sub][ext1]{arg}[ext2] = \verb|\cmdNameSym[sub][ext1](arg)ext2|
                                                                                                                       \cmdNameElm[sub][sub][ext1]{arg}[ext2] = NewName_{sub}^{sub}ext1(arg)ext2
                                                                                                 752 \DeclareRobustCommandx{\cmdmthargsymelm}[2][2=]
                                                                                                                            {\cmdmthargsym{#1}[#2]%
                                                                                                                           \cmdmthargelm{#1}[#2]}
                                                                                                754
\cmdmthoargsymelm ... to do!
                                                                                                              • \cmdmthoargsymelm{cmdName};
                                                                                                                       \colon 
                                                                                                                       \colon dNameElm[sub][sub][arg] = cmdName^{sub}_{sub}(arg)
                                                                                                              • \cmdmthoargsymelm{cmdName}[NewName];
                                                                                                                       \colon 
                                                                                                                       \cmdNameElm[sub][sub][arg] = NewName_{sub}^{sub}(arg)
                                                                                                 755 \DeclareRobustCommandx{\cmdmthoargsymelm}[2][2=]
                                                                                                                            {\cmdmthoargsym{#1}[#2]%
                                                                                                                           \cmdmthoargelm{#1}[#2]}
                                                                                                757
    \cmdmthparsymelm ... to do!
                                                                                                              \cmdmthparsymelm{cmdName};
                                                                                                                       \verb|\cmdNameSym[sub][sub][ext1]{par}[ext2] = \verb|\cmdName|^{sub}_{sub}ext1[par]ext2|
                                                                                                                       \verb|\cmdNameElm[sub][sub][ext1]{par}[ext2] = cmdName_{sub}^{sub}ext1[par]ext2
                                                                                                              • \cmdmthparsymelm{cmdName}[NewName];
                                                                                                                       \verb|\cmdNameSym[sub][sub][ext1]{par}[ext2] = \verb|\cmdNameSym[sub][ext1][par]ext2|
                                                                                                                       \cmdNameElm[sub] [sub] [ext1] {par} [ext2] = NewName_{sub}^{sub}ext1[par]ext2
                                                                                                 758 \DeclareRobustCommandx{\cmdmthparsymelm}[2][2=]
                                                                                                                           {\cmdmthparsym{#1}[#2]%
                                                                                                                           \cmdmthparelm{#1}[#2]}
                                                                                                760
\c cmdmthoparsymelm ... to do!
                                                                                                              \cmdmthoparsymelm{cmdName};
                                                                                                                       \verb|\cmdNameSym[sub][sub][par]| = \verb|\cmdNames|^{sub}_{sub}[par]|
                                                                                                                       {\tt \cmdNameElm[sub][sub][par]} = cmdName^{sub}_{sub}[par]
```

```
• \cmdmthoparsymelm{cmdName}[NewName];
                                                                            \verb|\cmdNameSym[sub][sub][par]| = \verb|\NewNamesub| | par||
                                                                            \verb|\cmdNameElm[sub][sub][par]| = NewName_{sub}^{sub}[par]|
                                                        761 \DeclareRobustCommandx{\cmdmthoparsymelm}[2][2=]
                                                                          {\cmdmthoparsym{#1}[#2]%
                                                                           \cmdmthoparelm{#1}[#2]}
                                                        \mthluop ... to do!
             \mthlbop
                                                                  ullet \mthluop{\oplus}[sub][sup][Ext] = \oplus_{sub}^{sup} Ext
                                                                   • \mthlbop{\oplus}[sub][sup][Ext] = \bigoplus_{sub}^{sup} Ext
                                                        765 %% Style for \LaTex Operators
                                                        766 \cmdmth{luop}
                                                         767 \DeclareRobustCommand{\mthstyluop}[1]{\textstyle\mathop{#1}}
                                                         768 \cmdmth{lbop}
                                                        769 \DeclareRobustCommand{\mthstylbop}[1]{\textstyle\mathbin{#1}}
\cmdmthluop ... to do!
\cmdmthlbop
                                                                   • \cmdmthluop{cmdName};
                                                                           \colon dNameUOp[sub][sub][ext] = cmdName_{sub}^{sub} ext
                                                                    • \cmdmthluop{cmdName}[\oplus];
                                                                           \verb|\cmdNameUOp[sub][sub][ext]| = \oplus_{sub}^{sub} ext
                                                                    • \cmdmthlbop{cmdName};
                                                                           \colon dNameBOp[sub][sub][ext] = cmdName_{sub}^{sub}ext
                                                                    • \cmdmthlbop{cmdName}[\oplus];
                                                                           \colon = \oplus_{sub}  [sub] [ext] = \oplus_{sub}  ext
                                                        770 \DeclareRobustCommandx{\cmdmthluop}[2][2=]
                                                        771 {\usrmth{#1}{U0p}{luop}[#2]}
                                                        772 \DeclareRobustCommandx{\cmdmthlbop}[2][2=]
                                                                        {\usrmth{#1}{BOp}{lbop}[#2]}
            \mthlrel ... to do!
                                                                   • \mthlrel{\preceq}[sub][sup][Ext] = \leq_{sub}^{sup} Ext
                                                        774 %% Style for \LaTex Relations
                                                         775 \cmdmth{lrel}
                                                        776 \DeclareRobustCommand{\mthstylrel}{\mathrel}
\cmdmthlrel ... to do!
                                                                   • \cmdmthlrel{cmdName};
                                                                           \cmdNameRel[sub][sub][ext] = cmdName_{sub}^{sub} ext
                                                                    • \cmdmthlrel{cmdName}[\preceq];
                                                                           \verb|\cmdNameRel[sub][sub][ext]| = \preceq_{sub}^{sub} ext
                                                        777 \DeclareRobustCommandx{\cmdmthlrel}[2][2=]
                                                         778 {\usrmth{#1}{Rel}{lrel}[#2]}
                                                        \mthsnt ... to do!
    \mthargsnt
                                                                   • \mathbb{E}_{sub}[sub][sup][Ext] = \mathsf{Name}_{sub}^{sup}Ext
    \mthparsnt
                                                                   \bullet \  \  \, \texttt{\bar{Name}[sub][sup][Ext1]{Arg^{Ex^{2}}}} \  \, [\texttt{Ext2}] \  \, = \  \, \texttt{\bar{Name}} \  \, Ext1 \Big( Arg^{Ex^{Ex}} \Big) Ext2 \\ = \  \, \texttt{\bar{Name}} \  \, Ext1 \Big( Arg^{Ex^{Ex}} \Big) Ext2 \\ = \  \, \texttt{\bar{Name}} \  \, Ext1 \Big( Arg^{Ex^{Ex}} \Big) Ext2 \\ = \  \, \texttt{\bar{Name}} \  \, Ext2 \\ = \  \, \texttt{\bar{
                                                                   • \mthargsnt!{Name}[sub][sup][Ext1]{Arg^{Ex^{Ex}}}[Ext2] = Name_{sub}^{sup}Ext1(Arg^{Ex^{Ex}})Ext2
                                                                   \bullet \  \, \texttt{\bar{Name}[sub][sup][Ext1][Par^{Ex^{2}}]} \  \, [\texttt{Ext2}] \  \, = \  \, \texttt{\bar{Name}} \  \, \texttt{\bar{Ext1}[Par^{Ex^{Ex}}]} \  \, [\texttt{Ext2}] \  \, = \  \, \texttt{\bar{Name}} \  \, \texttt{\bar{Ext1}[Par^{Ex^{Ex}}]} \  \, \texttt{\bar{Ext2}} \  \, ] \  \, \texttt{\bar{Ext2}} \  \, = \  \, \texttt{\bar{Name}} \  \, \texttt{\bar{Name}} \  \, \texttt{\bar{Ext2}[Par^{Ex^{Ex}}]} \  \, \texttt{\bar{Ext2}[Par^{Ex^{Ex}}]}} \  \, \texttt{\bar{Ext2}[Par^{Ex^{Ex}}]}} \  \, \texttt{\bar{Ext2}[Par^{Ex^{Ex}}]}} \  \, \texttt{\bar{Ext2}[Par^{Ex^{Ex}}]}} \  \, \texttt{\bar{Ext2}[Par^{Ex^{Ex}}]} \  \, \texttt{\bar{Ext2}[Par^{Ex^{Ex}}]}} \  \, \texttt{\bar{Ext2}[Par^{
                                                                    \bullet \  \  \, \texttt{\begin{tabular}{l} Name}[sub][sup][Ext1]{Par^{Ex^{}}}[Ext2] = \mathsf{\begin{tabular}{l} Name}^{sup}Ext1[Par^{Ex^{}}]Ext2] = \mathsf{\begin{tabular}{l} Name}^{sup}Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}}]Ext2[Par^{Ex^{}
                                                         780 %% Style for Sentences
                                                         781 \cmdmthall{snt}
                                                         782 \DeclareRobustCommand{\mthstysnt}{\mathsf}
```

```
\aSnt ... to do!
                          \dots \ 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
                                  \alpha, \beta, \gamma, \delta, \epsilon, \varepsilon, \zeta, \eta, \theta, \vartheta, \iota, \kappa, \varkappa, \lambda, \mu, \nu, \xi, o, \pi, \varpi, \rho, \varrho, \sigma, \varsigma, \tau, \upsilon, \phi, \varphi, \chi, \psi, \omega
                                  A, B, \Gamma, \Delta, E, E, Z, H, \Theta, \Theta, I, K, K, \Lambda, M, N, \Xi, O, \Pi, P, P, \Sigma, \Sigma, T, \Upsilon, \Phi, \Phi, X, \Psi, \Omega
                                    783 \seqoflet{Snt}{mthsnt}
         \cmdmthsnt ... to do!
                                          • \cmdmthsnt{cmdName};
                                              \colon dNameSnt[sub][sub][ext] = cmdName_{sub}^{sub}ext
                                          • \cmdmthsnt{cmdName} [NewName];
                                              \verb|\cmdNameSnt[sub][sub][ext]| = \verb|\NewName|_{sub}^{sub} ext|
                                     784 \DeclareRobustCommandx{\cmdmthsnt}[2][2=]
                                             {\usrmth{#1}{Snt}{snt}[#2]}
  \cmdmthargsnt ... to do!
                                          • \cmdmthargsnt{cmdName};
                                              \cmdNameSnt[sub][sub][ext1]{arg}[ext2] = cmdName_{sub}^{sub}ext1(arg)ext2
                                          • \cmdmthargsnt{cmdName}[NewName];
                                              \verb|\cmdNameSnt[sub][sub][ext1]{arg}[ext2] = \verb|\cmdNameSnt[sub][sub][ext1]{arg}[ext2] = \verb|\cmdNameSnt[sub][sub][ext1]{arg}[ext2] = \verb|\cmdNameSnt[sub][sub][ext1][ext2] = \verb|\cmdNameSnt[sub][sub][ext1][ext2] = \verb|\cmdNameSnt[sub][sub][ext1][ext2][ext2] = \verb|\cmdNameSnt[sub][sub][sub][ext1][ext2][ext2] = \verb|\cmdNameSnt[sub][sub][sub][ext1][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][ext2][e
                                     786 \DeclareRobustCommandx{\cmdmthargsnt}[2][2=]
                                    787 {\usrmth{#1}{Snt}{argsnt}[#2]}
\cmdmthoargsnt ... to do!
                                          \cmdmthoargsnt{cmdName};
                                              \colon = cmdNameSnt[sub][sub][arg] = cmdName<math>_{sub}^{sub}(arg)
                                          • \cmdmthoargsnt{cmdName}[NewName];
                                              \verb|\cmdNameSnt[sub][sub][arg]| = \verb|\NewName|_{sub}^{sub}(arg)
                                     788 \DeclareRobustCommandx{\cmdmthoargsnt}[2][2=]
                                              {\usrmth{#1}{Snt}{oargsnt}[#2]}
  \cmdmthparsnt ... to do!
                                          • \cmdmthparsnt{cmdName};
                                              \label{lem:lemma:sub:ext1} $$ \operatorname{CmdNameSnt}[\operatorname{sub}][\operatorname{sub}][\operatorname{ext1}][\operatorname{par}][\operatorname{ext2}] = \operatorname{cmdName}_{\operatorname{sub}}^{\operatorname{sub}} ext1[\operatorname{par}] ext2 $$
                                          • \cmdmthparsnt{cmdName}[NewName];
                                              \verb|\cmdNameSnt[sub][sub][ext1]{par}[ext2] = \verb|\NewName]^{sub}_{sub}ext1[par]ext2
                                    790 \DeclareRobustCommandx{\cmdmthparsnt}[2][2=]
                                             {\usrmth{#1}{Snt}{parsnt}[#2]}
\cmdmthoparsnt ... to do!
                                          • \cmdmthoparsnt{cmdName};
                                              \verb|\cmdNameSnt[sub][par]| = \verb|\cmdNameSnt[sub][par]|
                                          • \cmdmthoparsnt{cmdName}[NewName];
                                              \colon = NewName_{sub}^{sub}[par] = NewName_{sub}^{sub}[par]
                                     792 \DeclareRobustCommandx{\cmdmthoparsnt}[2][2=]
                                    793 {\usrmth{#1}{Snt}{oparsnt}[#2]}
                \mthfrm ... to do!
         \mthargfrm
                                          \bullet \ \texttt{\ \ } [\mathtt{Sub}] \ [\mathtt{Ext}] = Name_{sub}^{sup} Ext
         \mthparfrm
                                          • \mthargfrm{Name} [sub] [sup] [Ext1] {Arg^{Ex^{}}} [Ext2] = Name_{sub}^{sup} Ext1 (Arg^{Ex^{Ex}}) Ext2
                                          • \mthargfrm!{Name}[sub][sup][Ext1]{Arg^{Ex^{Ex}}}}[Ext2] = Name_{sub}^{sup}Ext1(Arg^{Ex^{Ex}})Ext2
                                          • \mthparfrm{Name}[sub][sup][Ext1]{Par^{Ex^{Ex}}}[Ext2] = Name^{sup}_{sub}Ext1[Par^{Ex^{Ex}}]Ext2
                                          • \mthparfrm! {Name} [sub] [sup] [Ext1] {Par^{Ex^{Ex}}} [Ext2] = Name_{sub}^{sup} Ext1[Par^{Ex^{Ex}}] Ext2
                                     794 %% Style for Formulae
                                     795 \cmdmthall{frm}
                                     796 \DeclareRobustCommand{\mthstyfrm}{\mathit}
```

```
\arrange ... to do!
                            \dots 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
                                     \alpha,\,\beta,\,\gamma,\,\delta,\,\epsilon,\,\varepsilon,\,\zeta,\,\eta,\,\theta,\,\vartheta,\,\iota,\,\kappa,\,\varkappa,\,\lambda,\,\mu,\,\nu,\,\xi,\,\,o,\,\pi,\,\varpi,\,\rho,\,\varrho,\,\sigma,\,\varsigma,\,\tau,\,\upsilon,\,\phi,\,\varphi,\,\chi,\,\psi,\,\omega
                                     A,\,B,\,\Gamma,\,\Delta,\,E,\,E,\,Z,\,H,\,\Theta,\,\Theta,\,I,\,K,\,K,\,\Lambda,\,M,\,N,\,\Xi,\,O,\,\Pi,\,\Pi,\,P,\,P,\,\varSigma,\,\varSigma,\,T,\,\Upsilon,\,\varPhi,\,\varPhi,\,X,\,\Psi,\,\Omega
                                       797 \seqoflet{Frm}{mthfrm}
          \cmdmthfrm ... to do!
                                             • \cmdmthfrm{cmdName};
                                                  \verb|\cmdNameFrm[sub][sub][ext]| = cmdName_{sub}^{sub}ext
                                              • \cmdmthfrm{cmdName}[NewName];
                                                  \verb|\cmdNameFrm[sub][sub][ext]| = NewName_{sub}^{sub}ext
                                        798 \DeclareRobustCommandx{\cmdmthfrm}[2][2=]
                                       799 {\usrmth{#1}{Frm}{frm}[#2]}
  \cmdmthargfrm ... to do!
                                              \cmdmthargfrm{cmdName};
                                                  \cmdNameFrm[sub] [sub] [ext1] {arg} [ext2] = cmdName_{sub}^{sub}ext1(arg)ext2
                                              • \cmdmthargfrm{cmdName}[NewName];
                                                  \cmdNameFrm[sub][sub][ext1]{arg}[ext2] = NewName_{sub}^{sub}ext1(arg)ext2
                                        800 \DeclareRobustCommandx{\cmdmthargfrm}[2][2=]
                                       801 {\usrmth{#1}{Frm}{argfrm}[#2]}
\cmdmthoargfrm ... to do!
                                             • \cmdmthoargfrm{cmdName};
                                                  \colon dNameFrm[sub][sub][arg] = cmdName_{sub}^{sub}(arg)
                                              • \cmdmthoargfrm{cmdName}[NewName];
                                                  \colon = NewName_{sub}^{sub}(arg) = NewName_{sub}^{sub}(arg)
                                        802 \DeclareRobustCommandx{\cmdmthoargfrm}[2][2=]
                                       803 {\usrmth{#1}{Frm}{oargfrm}[#2]}
  \cmdmthparfrm ... to do!
                                             • \cmdmthparfrm{cmdName};
                                                  \cmdNameFrm[sub][sub][ext1]{par}[ext2] = cmdName_{sub}^{sub}ext1[par]ext2
                                              • \cmdmthparfrm{cmdName}[NewName];
                                                  \verb|\cmdNameFrm[sub][sub][ext1]{par}[ext2] = NewName_{sub}^{sub}ext1[par]ext2
                                        804 \DeclareRobustCommandx{\cmdmthparfrm}[2][2=]
                                                 {\usrmth{#1}{Frm}{parfrm}[#2]}
\cmdmthoparfrm ... to do!
                                             • \cmdmthoparfrm{cmdName};
                                                  \cmdNameFrm[sub][sub][par] = cmdName_{sub}^{sub}[par]
                                              • \cmdmthoparfrm{cmdName}[NewName];
                                                  \verb|\cmdNameFrm[sub][sub][par]| = NewName_{sub}^{sub}[par]|
                                        806 \DeclareRobustCommandx{\cmdmthoparfrm}[2][2=]
                                        807 {\usrmth{#1}{Frm}{oparfrm}[#2]}
                                       \mthmat ... to do!
          \mthargmat
                                             • \mthmat{Name}[sub][sup][Ext] = \mathbf{Name}_{sub}^{sup}Ext
          \mthparmat
                                             • \mthargmat{Name}[sub][sup][Ext1]{Arg^{Ex^{Ex}}}[Ext2] = \mathbf{Name}_{sub}^{sup}Ext1\left(Arg^{Ex^{Ex}}\right)Ext2
                                             \bullet \  \  \, \texttt{Name} \texttt{[sub][sub][Ext1]} \texttt{[Ext2]} = \mathbf{Name}^{sup}_{sub} Ext1(Arg^{Ex^{Ex}}) Ext2
                                              \bullet \  \  \, \texttt{Name}[sub][sup][Ext1][Par^{Ex^{Ex}}][Ext2] = \mathbf{Name}^{sup}_{sub}Ext1\Big[Par^{Ex^{Ex}}\Big]Ext2
                                              \bullet \  \, \texttt{\bar}[Sub][Sub][Sub][Ext1] \\ \{Par^{Ex^{-}}[Ext2] = \textbf{Name}_{sub}^{sup} Ext1[Par^{Ex^{Ex}}] \\ Ext2] = \textbf{\bar}[Ext2] \\ = \textbf{\bar}[
```

```
809 %% Style for Matrices
                                             810 \cmdmthall{mat}
                                             811 \DeclareRobustCommand{\mthstymat}[1]{\boldsymbol{\mathsf{#1}}}
                         \aMat ... to do!
                                ... 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
                                           \alpha,\,\beta,\,\gamma,\,\delta,\,\epsilon,\,\varepsilon,\,\zeta,\,\eta,\,\theta,\,\vartheta,\,\iota,\,\kappa,\,\varkappa,\,\lambda,\,\mu,\,\nu,\,\xi,\,\mathbf{o},\,\pi,\,\varpi,\,\rho,\,\varrho,\,\sigma,\,\varsigma,\,\tau,\,\upsilon,\,\phi,\,\varphi,\,\chi,\,\psi,\,\omega
                                           A, B, \Gamma, \Delta, E, E, Z, H, \Theta, \Theta, I, K, K, \Lambda, M, N, \Xi, O, \Pi, \Pi, P, P, \Sigma, \Sigma, T, \Upsilon, \Phi, \Phi, X, \Psi, \Omega
                                            812 \seqoflet{Mat}{mthmat}
           \verb|\cmdmthmat| \dots to do!
                                                    • \cmdmthmat{cmdName};
                                                         \colon dNameMat[sub][sub][ext] = cmdName_{sub}^{sub}ext
                                                    • \cmdmthmat{cmdName}[NewName];
                                                         \verb|\cmdNameMat[sub][sub][ext]| = \verb|NewName|^{sub}_{sub} ext|
                                             813 \DeclareRobustCommandx{\cmdmthmat}[2][2=]
                                             814 {\usrmth{#1}{Mat}{mat}[#2]}
  \cmdmthargmat ... to do!
                                                    \cmdmthargmat{cmdName};
                                                         \verb|\cmdNameMat[sub][sub][ext1]{arg}[ext2] = \mathbf{cmdName}_{sub}^{sub}ext1(arg)ext2
                                                    • \cmdmthargmat{cmdName}[NewName];
                                                         \cmdNameMat[sub][sub][ext1]{arg}[ext2] = NewName_{sub}^{sub}ext1(arq)ext2
                                             815 \DeclareRobustCommandx{\cmdmthargmat}[2][2=]
                                            816 {\usrmth{#1}{Mat}{argmat}[#2]}
\cmdmthoargmat ... to do!
                                                    • \cmdmthoargmat{cmdName};
                                                         \cmdNameMat[sub][sub][arg] = cmdName_{sub}^{sub}(arg)
                                                    • \cmdmthoargmat{cmdName}[NewName];
                                                         \colon = NewName_{sub}^{sub}[arg] = NewName_{sub}^{sub}(arg)
                                             817 \DeclareRobustCommandx{\cmdmthoargmat}[2][2=]
                                                         {\usrmth{#1}{Mat}{oargmat}[#2]}
  \cmdmthparmat ... to do!
                                                    • \cmdmthparmat{cmdName};
                                                         \verb|\cmdNameMat[sub][sub][ext1]{par}[ext2] = \mathbf{cmdName}_{sub}^{sub}ext1[par]ext2|
                                                    • \cmdmthparmat{cmdName}[NewName];
                                                         \cmdNameMat[sub][sub][ext1]{par}[ext2] = NewName_{sub}^{sub}ext1[par]ext2
                                             819 \DeclareRobustCommandx{\cmdmthparmat}[2][2=]
                                                          {\usrmth{#1}{Mat}{parmat}[#2]}
\cmdmthoparmat ... to do!
                                                    • \cmdmthoparmat{cmdName};
                                                         \cmdNameMat[sub][sub][par] = cmdName_{sub}^{sub}[par]
                                                    • \cmdmthoparmat{cmdName}[NewName];
                                                         \verb|\cmdNameMat[sub][sub][par]| = \verb|NewName|^{sub}_{sub}[par]|
                                             821 \DeclareRobustCommandx{\cmdmthoparmat}[2][2=]
                                             822 {\usrmth{#1}{Mat}{oparmat}[#2]}
                    \mthvec ... to do!
           \mthargvec
                                                   ullet \mthvec{Name} [sub] [sup] [Ext] = {\it Name}^{sup}_{sub} Ext
           \mthparvec
                                                    • \mthargvec{Name} [sub] [sup] [Ext1] {Arg^{Ex^{Ex}}} [Ext2] = Name_{sub}^{sup} Ext1 (Arg^{Ex^{Ex}}) Ext2
                                                    \bullet \ \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \  } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \  } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ } \texttt{\ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ }
                                                    • \mthparvec{Name} [sub] [sup] [Ext1] {Par^{Ex^{Ex}}} [Ext2] = Name_{sub}^{sup} Ext1 \left| Par^{Ex^{Ex}} \right| Ext2
```

```
• \mthparvec! {Name} [sub] [sup] [Ext1] {Par^{Ex^{Ex}}} [Ext2] = Name_{sub}^{sup} Ext1[Par^{Ex^{Ex}}] Ext2
                               823 %% Style for Vectors
                               824 \cmdmthall{vec}
                               825 \DeclareRobustCommand{\mthstyvec}[1]{\boldsymbol{\mathit{#1}}}
                 \aVec ... to do!
                     \dots \ 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
                             \alpha,\,\beta,\,\gamma,\,\delta,\,\epsilon,\,\varepsilon,\,\zeta,\,\eta,\,\theta,\,\vartheta,\,\iota,\,\kappa,\,\varkappa,\,\lambda,\,\mu,\,\nu,\,\xi,\,o,\,\pi,\,\varpi,\,\rho,\,\varrho,\,\sigma,\,\varsigma,\,\tau,\,\upsilon,\,\phi,\,\varphi,\,\chi,\,\psi,\,\omega
                             A,\,B,\,\Gamma,\,\Delta,\,E,\,E,\,Z,\,H,\,\Theta,\,\Theta,\,I,\,K,\,K,\,A,\,M,\,N,\,\Xi,\,O,\,\Pi,\,\Pi,\,P,\,P,\,\Sigma,\,\Sigma,\,T,\,\Upsilon,\,\varPhi,\,\varPhi,\,X,\,\Psi,\,\Omega
                               826 \seqoflet{Vec}{mthvec}
        \cmdmthvec ... to do!
                                   • \cmdmthvec{cmdName};
                                       \verb|\cmdNameVec[sub][sub][ext]| = cmdName_{sub}^{sub}ext|
                                    • \cmdmthvec{cmdName} [NewName];
                                       \cmdNameVec[sub][sub][ext] = NewName_{sub}^{sub}ext
                               827 \DeclareRobustCommandx{\cmdmthvec}[2][2=]
                               828 {\usrmth{#1}{Vec}{vec}[#2]}
 \cmdmthargvec ... to do!
                                   \cmdmthargvec{cmdName};
                                       \verb|\cmdNameVec[sub][sub][ext1]{arg}[ext2] = cmdName_{sub}^{sub}ext1(arg)ext2|
                                    • \cmdmthargvec{cmdName} [NewName];
                                       \cmdNameVec[sub][sub][ext1]{arg}[ext2] = NewName_{sub}^{sub}ext1(arg)ext2
                               829 \DeclareRobustCommandx{\cmdmthargvec}[2][2=]
                               830 {\usrmth{#1}{Vec}{argvec}[#2]}
\cmdmthoargvec ... to do!
                                    \cmdmthoargvec{cmdName};
                                       \colon = cmdName \col
                                    • \cmdmthoargvec{cmdName}[NewName];
                                       \colon = NewName^{sub}(arg) = NewName^{sub}(arg)
                               831 \DeclareRobustCommandx{\cmdmthoargvec}[2][2=]
                              832 {\usrmth{#1}{Vec}{oargvec}[#2]}
 \cmdmthparvec ... to do!
                                   • \cmdmthparvec{cmdName};
                                       \verb|\cmdNameVec[sub][sub][ext1]{par}[ext2] = cmdName^{sub}_{sub}ext1[par]ext2|
                                    • \cmdmthparvec{cmdName} [NewName];
                                       \cmdNameVec[sub][sub][ext1]{par}[ext2] = NewName^{sub}_{sub}ext1[par]ext2
                               833 \DeclareRobustCommandx{\cmdmthparvec}[2][2=]
                               834 {\usrmth{#1}{Vec}{parvec}[#2]}
\cmdmthoparvec ... to do!
                                    \cmdmthoparvec{cmdName};
                                       \cmdNameVec[sub][sub][par] = cmdName_{sub}^{sub}[par]
                                   • \cmdmthoparvec{cmdName}[NewName];
                                       \colon = NewName_{sub}^{sub}[par] = NewName_{sub}^{sub}[par]
                               835 \DeclareRobustCommandx{\cmdmthoparvec}[2][2=]
                               836 {\usrmth{#1}{Vec}{oparvec}[#2]}
                               837\fi
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842 \iftxt@

```
\dotcheck
                       • A\dotcheck A\dotcheck.A = A.A. A
                    843 \newrobustcmd{\dotcheck}
                    844 {\@ifnextchar.{}{.\@}}
                    \bullet \ \ \texttt{\ } \  \  \, \texttt{\ } \  \, adhoc = \mathit{ad} \ \mathit{hoc}
           \adhoc
                    846 \cmdtxtabr{adhoc}[ad hoc]
       \afortiori
                       • \arrange a fortiori
                    847 \cmdtxtabr{afortiori}[a fortiori]
         \apriori
                       • \apriori = a priori
                    848 \cmdtxtabr{apriori}[a priori]
    \aposteriori
                       • \arrowvertaposteriori = a\ posteriori
                    849 \cmdtxtabr{aposteriori}[a posteriori]
               \cf
                       • \backslash cf = cf.
                    850 \cmdtxtabr{cf}[cf.\@]
         \dedicto
                       • \dedicto = de \ dicto
                    851 \cmdtxtabr{dedicto}[de dicto]
                       • \del{defacto} = de \ facto
         \defacto
                    852 \cmdtxtabr{defacto}[de facto]
            \dere
                       • \forall ere = de re
                    853 \cmdtxtabr{dere}[de re]
 \divideetimpera
                        \bullet \ \verb+\divideetimpera = \mathit{divide et impera} \\
                    854 \cmdtxtabr{divideetimpera}[divide et impera]
               \eg
                       • \backslash eg = e.g.
                    855 \cmdtxtabr{eg}[e.g.\@]
            \ergo
                       • \ergo = ergo
                    856 \cmdtxtabr{ergo}
                       • \ensuremath{\backslash} errata = errata
          \errata
                    857 \cmdtxtabr{errata}
         \erratum
                       • \erratum = erratum
                     858 \cmdtxtabr{erratum}
            \etal
                       • \ensuremath{\backslash} \mathtt{etal} = et \ al.
                    859 \cmdtxtabr{etal}[et al.\@]
                       • \ensuremath{\backslash} \mathsf{etc} = etc.
              \etc
                    860 \cmdtxtabr{etc}[etc.\@]
               \ie
                       • \ie = i.e.
                    861 \cmdtxtabr{ie}[i.e.\@]
\mutatismutandis
                       • \mutatismutandis = mutatis mutandis
                    862 \cmdtxtabr{mutatismutandis} [mutatis mutandis]
                       • \percontra = per contra
       \percontra
```

863 \cmdtxtabr{percontra}[per contra]

```
\primafacie
                 • \primafacie = prima facie
               864 \cmdtxtabr{primafacie}[prima facie]
     \viceversa
                  • \viceversa = vice versa
               865 \cmdtxtabr{viceversa}[vice versa]
                 • \vert vs = vs.
               866 \cmdtxtabr{vs}[vs.\@]
          \viz
                 • \forall viz = viz.
               867 \cmdtxtabr{viz}[viz.\@]
               \Afortiori
                 • \Afortiori = A fortiori
               869 \cmdtxtabr{Afortiori}[A fortiori]
      \Apriori
                 • \Apriori = A priori
               870 \cmdtxtabr{Apriori}[A priori]
   \Aposteriori
                  • \Aposteriori = A posteriori
               871 \cmdtxtabr{Aposteriori}[A posteriori]
                 • \Dedicto = De \ dicto
      \Dedicto
               872 \cmdtxtabr{Dedicto} [De dicto]
                  \Defacto
               873 \cmdtxtabr{Defacto}[De facto]
                 • \Dere = De re
         \Dere
               874 \cmdtxtabr{Dere} [De re]
\Divideetimpera
                 ullet \Divideetimpera = Divide\ et\ impera
               875 \cmdtxtabr{Divideetimpera}[Divide et impera]
                 • \backslash Eg = E.g.
           \Eg
               876 \cmdtxtabr{Eg}[E.g.\@]
       \Errata
                 • \Errata = Errata
               877 \cmdtxtabr{Errata}
      \Erratum
                  \bullet \Erratum = Erratum
               878 \cmdtxtabr{Erratum}
                 \bullet \Mutatismutandis = Mutatis\ mutandis
\Mutatismutandis
               879 \cmdtxtabr{Mutatismutandis} [Mutatis mutandis]
                  • \Percontra = Per contra
     \Percontra
               880 \cmdtxtabr{Percontra}[Per contra]
                  ullet \Primafacie = Prima\ facie
    \Primafacie
               881 \cmdtxtabr{Primafacie}[Prima facie]
     \Viceversa
                 • \forall viceversa = Vice versa
               882 \cmdtxtabr{Viceversa}[Vice versa]
```

```
\ala
     • \alphala = \grave{a} la
    886 \cmdtxtabr{ala}[\'a la]
     • \n naif = naif
\n
    887 \mbox{cmdtxtabr{naif}[na\"{i}f]}
\naive
     • \naive = na\"{i}ve
    888 \cmdtxtabr{naive}[na\"{i}ve]
\role
     • \role = r\hat{o}le
    889 \cmdtxtabr{role}[r\^{o}le]
    \Role
     • \Role = R\hat{o}le
    891 \cmdtxtabr{Role}[R\^{o}le]
    \aka
     • \again a.k.a.
    893 \cmdtxtabr{aka}[a.k.a.\@]
\contd
     • \contd = contd.
    894 \cmdtxtabr{contd}[contd.\@]
 \iff
     • \iff = iff
    895 \cmdtxtabr{iff}
 \iht
     • \ iht = i.h.t.
    896 \cmdtxtabr{iht}[i.h.t.\@]
 \stx
     • \ \ \ \ stx = s.t.
    897 \cmdtxtabr{stx}[s.t.\@]
\resp
     • \resp = resp.
    898 \cmdtxtabr{resp}[resp.\@]
     \wrt
    899 \cmdtxtabr{wrt}[w.r.t.\@]
     • \wdots w.l.o.g.
\wlogx
    900 \cmdtxtabr{wlogx}[w.l.o.g.\@]
    \Contd
     • \c Contd = Contd.
    902 \cmdtxtabr{Contd} [Contd.\@]
     • \Wlogx = W.l.o.g.
\Wlogx
    903 \cmdtxtabr{Wlogx}[W.l.o.g.\@]
    904 \fi
    909 \ifmth@
```

```
\defeq ...
                    \seteq 911 \DeclareRobustCommand{\defeq}
                                          912 {\ifstarvar%
                                                              {\mthlbop{\stackrel{\text{\textup{def}}}{=}}}%
                                          914
                                                               {\mthlbop{\triangleq}}}
                                          915 \DeclareRobustCommand{\seteq}
                                                      {\ifstarvar{\mthlbop{\Coloneqq}}}{\mthlbop{\coloneqq}}}
                                          \limp ...
                \verb|\localing| 918 \verb|\localing| 918 \verb|\localing| Power of the command of the comm
                                          919 {\mthlbop{\rightarrow}}
                                          920 \DeclareRobustCommand{\lcoimp}
                                          921 {\mthlbop{\leftrightarrow}}
                                          \implies ...
     \notimplies 923 \DeclareRobustCommand{\implies}
                                          924 {\mthlrel{\Rightarrow}}
                                          925 \DeclareRobustCommand{\notimplies}
                                          926 {\mthlrel{\not\Rightarrow}}
              \implied ...
     \verb| notimplied 927 \verb| DeclareRobustCommand{implied}| \\
                                          928 {\mthlrel{\Leftarrow}}
                                          929 \DeclareRobustCommand{\notimplied}
                                          930 {\mthlrel{\not\Leftarrow}}
        \coimplies ...
\verb|\notcoimplies| 931 \verb|\DeclareRobustCommand{\coimplies}|
                                          932 {\mthlrel{\Leftrightarrow}}
                                          933 \DeclareRobustCommand{\notcoimplies}
                                          934 {\mthlrel{\not\!\Leftrightarrow}}
                                          \cmodels ...
     \verb|\notemodels| 936 \verb|\DeclareRobustCommand{\cmodels}|
                                          937 {\mthlrel{\models}}
                                          938 \DeclareRobustCommand{\notcmodels}
                                          939 {\mthlrel{\not\models}}
                 \cequiv ...
        \verb|\notcequiv| 940 \verb|\DeclareRobustCommand{\cequiv}|
                                          941 {\mthlrel{\equiv}}
                                          942 \DeclareRobustCommand{\notcequiv}
                                          943 {\mthlrel{\not\equiv}}
                                          \denot ...
                                          945 \DeclareRobustCommand{\denot}
                                          946 {\left(\frac{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensure
                                          947 \DeclareRobustCommand{\Qdenot}[1]
                                          948 {\bf \{\hat{l}\}}{\bf \{}\
                                          949 \DeclareRobustCommand{\Qedenot}[1]
                                                      {\mth!{\argmid{\llbracket}{#1}{\rrbracket}}}
```

```
\comp ...
       \verb|\dual 952 \DeclareRobustCommand{\comp}[1]|
       \label{local_state} $$ \adj $953 $ {\bf \{\nth{\overline{#1}}} $$
       \der 954 \DeclareRobustCommand{\dual}[1]
       \label{trn 955 {\bf \{\bf \{\bf \{\bf 41\}\}\}}}
             956 \DeclareRobustCommand{\adj}[1]
             957 {\mth{\mathring{#1}}}
             958 \DeclareRobustCommand{\der}[1]
                 {\mth{\widehat{#1}}}
             960 \DeclareRobustCommand{\trn}[1]
                 {\mth{\overbrace{#1}}}
       \vec ...
             962 \DeclareRobustCommand{\vec}
             963 {\ifstarvar{\@svec}{\@vec}}
             964 \DeclareRobustCommand{\@vec}[1]
             965 {\mth{\mathaccent"017E{#1}}}
             966 \DeclareRobustCommand{\@svec}[1]
             967 {\mth{\overline{#1}}}
             \enumeration ...
             969 \DeclareRobustCommand{\enumeration}
             970 {\ifstarvar{\@senumeration}{\@enumeration}}
             \sequence ...
 \verb|\sequencel| 973 \verb|\DeclareRobustCommand{\sequence}|
 \sequencer
             974 {\ifstarvar{\@ssequence}{\@sequence}}
             975 \DeclareRobustCommand{\@sequence}
             976 {\ifexclavar{\@e@sequence}{\@@sequence}}
             977 \DeclareRobustCommand{\@ssequence}
             978 {\ifexclavar{\@e@ssequence}{\@@ssequence}}
             979 \varcmd{@@sequence}{\mth}{\left[}{,}{\right]}{}
             980 \varcmd{@e@sequence}{\mth!}{[}{,}{]}{}
             981 \varcmd{@@ssequence}{\mth}{\left[}{;}{\right]}{}
             982 \varcmd{@e@ssequence}{\mth!}{[]}{;}{]}{}
             983 \DeclareRobustCommand{\sequencel}
             984 {\ifstarvar{\@ssequencel}{\@sequencel}}
             985 \DeclareRobustCommand{\@sequencel}
                 {\ifexclavar{\@e@sequencel}{\@@sequencel}}
             987 \DeclareRobustCommand{\@ssequencel}
                  {\ifexclavar{\@e@ssequencel}{\@@ssequencel}}
             989 \varcmd{@@sequencel}{\mth}{\left[}{,}{\right.}{}
             990 \varcmd{@e@sequencel}{\mth!}{[}{,}{}}
             991 \varcmd{@@ssequencel}{\mth}{\left[}{;}{\right.}{}
             992 \mbox{\colored}(\mbox{\colored}){\mbox{\colored}}{\mbox{\colored}}{\mbox{\colored}}
             993 \DeclareRobustCommand{\sequencer}
             994 {\ifstarvar{\@ssequencer}{\@sequencer}}
             995 \DeclareRobustCommand{\Qsequencer}
             996 {\ifexclavar{\@e@sequencer}{\@@sequencer}}
             997 \DeclareRobustCommand{\@ssequencer}
                 {\ifexclavar{\@e@ssequencer}{\@@ssequencer}}
             999 \varcmd{@@sequencer}{\mth}{\left.}{,}{\right]}{}
             1000 \varcmd{@e@sequencer}{\mth!}{}{,}{]}{}
             1001 \varcmd{@@ssequencer}{\mth}{\left.}{;}{\right]}{}
            1002 \operatorname{QeOssequencer}{\mathrm{!}}{}{}{}{}
     \tuple ...
    \tuplel _{1003} \DeclareRobustCommand{\tuple}
    \tupler 1004 {\ifstarvar{\@stuple}{\@tuple}}
```

```
1005 \DeclareRobustCommand{\@tuple}
          {\ifexclavar{\@e@tuple}{\@@tuple}}
      1007 \DeclareRobustCommand{\@stuple}
      1008 {\ifexclavar{\@e@stuple}{\@@stuple}}
      1009 \varcmd{@@tuple}{\mth}{\left\langle}{,}{\right\rangle}{}
      1010 \varcmd{@e@tuple}{\mth!}{\langle}{,}{\rangle}{}
      1011 \varcmd{@@stuple}{\mth}{\left\langle}{;}{\right\rangle}{}
      1012 \varcmd{@e@stuple}{\mth!}{\langle}{;}{\rangle}{}
      1013 \DeclareRobustCommand{\tuplel}
           {\ifstarvar{\@stuplel}{\@tuplel}}
      1015 \DeclareRobustCommand{\@tuplel}
           {\ifexclavar{\@e@tuplel}{\@@tuplel}}
      1017 \DeclareRobustCommand{\@stuplel}
          {\ifexclavar{\@e@stuplel}{\@@stuplel}}
      1019 \varcmd{@@tuplel}{\mth}{\left\langle}{,}{\right.}{}
      1020 \varcmd{@e@tuplel}{\mth!}{\langle}{,}{}}
      1021 \varcmd{@@stuplel}{\mth}{\left\langle}{;}{\right.}{}
      1022 \ward{@e@stuplel}{\mth!}{\langle}{;}{}{}
      1023 \DeclareRobustCommand{\tupler}
            {\ifstarvar{\@stupler}{\@tupler}}
      1025 \DeclareRobustCommand{\@tupler}
           {\ifexclavar{\@e@tupler}{\@@tupler}}
      1027 \DeclareRobustCommand{\@stupler}
           {\ifexclavar{\@e@stupler}{\@@stupler}}
      1029 \varcmd{@@tupler}{\mth}{\left\{ ht.}{,}{\left\{ right\rangle}{} \right\}}
      1030 \varcmd{@e@tupler}{\mth!}{},}{\nrangle}{}
      1031 \varcmd{@@stupler}{\mth}{\left.\right.}{;}{\left.\right.}{}
      1032 \texttt{\ensuremod{@e@stupler}{\ensuremod{\ensuremod{}}}{};}{\ensuremod{\ensuremod{}}}
      \set ... \{1^2 | 1^2\} \{1^2 : 1^2\} \{1^2 | 1^2\} \{1^2 : 1^2\}
\setl ...\{1^2 | 1^2\}
\setr ... \{1^2 : 1^2\}
     ...\{1^2 | 1^2\}
      ...\{1^2:1^2\}
      1034 \DeclareRobustCommand{\set}
      1035 {\ifstarvar{\@sset}{\@set}}
      1036 \DeclareRobustCommand{\@set}
           {\ifexclavar{\@e@xset{\vert}}{\@@xset{\vert}}}
      1038 \DeclareRobustCommand{\@sset}
           {\ifexclavar{\@e@xset{\!:\!}}{\@@xset{.\!:\!}}}
      1040 \DeclareRobustCommand{\@@xset}[3]
           {\bf \{\hat \}\
      1042 \DeclareRobustCommand{\@e@xset}[3]
      1043 {\bf \frac{\nth!{\argmid{\lbrace}{\argsep{#2}{\,#1\,}{#3}}{\rbrace}}}
      1044 \DeclareRobustCommand{\set1}
      1045 {\ifstarvar{\@ssetl}{\@setl}}
      1046 \DeclareRobustCommand{\@setl}
           {\ifexclavar{\@e@xsetl{\,\vert}}{\@@xsetl{\vert}}}
      1048 \DeclareRobustCommand{\@sset1}
           {\ifexclavar{\@e@xsetl{\!:}}{\@@xsetl{.\!\!:}}}
      1050 \DeclareRobustCommand{\@@xset1}[2]
           {\mth{\argmid{\left\lbrace}{#2}{\,\right#1}}}
      1052 \DeclareRobustCommand{\@e@xset1}[2]
           {\mth!{\argmid{\lbrace}{#2}{\,#1}}}
      1054 \DeclareRobustCommand{\setr}
           {\ifstarvar{\@setr}{\@setr}}
      1056 \DeclareRobustCommand{\@setr}
           {\ifexclavar{\@e@setr}{\@@setr}}
      1058 \DeclareRobustCommand{\@@setr}[1]
           {\mth{\argmid{\left.}{#1}{\right\rbrace}}}
      1060 \DeclareRobustCommand{\@e@setr}[1]
           {\mth!{\argmid{}{#1}{\rbrace}}}
```

```
\card ...
       1062 \DeclareRobustCommand{\card}
           {\ifexclavar{\@ecard}{\@card}}
       1064 \DeclareRobustCommand{\@card}[1]
           {\mth{\argmid{\left\lvert}{#1}{\right\rvert}}}
       1066 \DeclareRobustCommand{\@ecard}[1]
           {\mth!{\argmid{\lvert}{#1}{\rvert}}}
   \pow ...
        1068 \DeclareRobustCommand{\pow}
            {\ifstarvar{\@spow}{\@pow}}
       1070 \DeclareRobustCommand{\@pow}[1]
           {\mth{2^{\defval{#1}{\cdot}}}}
       1072 \DeclareRobustCommand{\@spow}
       1073 {\ifexclavar{\@e@spow}{\@@spow}}
       1074 \DeclareRobustCommand{\@e@spow}[1]
       1075 {\bf 1075} {\mthargfun! [mathscr] {P}{\defval{#1}{\cdot}}}
       1076 \DeclareRobustCommand{\@@spow}[1]
            {\mthargfun[mathscr]{P}{\defval{#1}{\cdot}}}
       \emptyrel ...
       1079 \DeclareRobustCommand{\emptyrel}
           {\mth{\varnothing}}
       \dom ...
   \cod\ 1082 \usrmth{dom}{\{\dom\}{\}}}
   \rng 1083 \usrmth{cod}{}{argfun}
   \img 1084 \usrmth{rng}{}{argfun}
       1085 \usrmth{img}{}{argfun}
   \deg ...
       1086 \mbox{ }\mbox{deg}{{\mbox{argfun}}}
       \prj ...
        1088 \DeclareRobustCommand{\prj}
           {\mthlbop{\downarrow}}
   \rst ...
       1090 \DeclareRobustCommand{\rst}
            {\mthlbop{\upharpoonright}}
   \cmp ...
       1092 \DeclareRobustCommand{\cmp}
            {\mthlbop{\circ}}
       \emptyfun ...
        1095 \DeclareRobustCommand{\emptyfun}
            {\mth{\varnothing}}
       \pto ...
\pmapsto 1098 \DeclareMathOperator{\pto}
            {\ensuremath{\rightharpoonup}}
       1100 \DeclareMathOperator{\pmapsto}
            {\ensuremath{\mathrel{\raisebox{0.5ex}{\footnotesize${\llcorner}$}%
       1102
              \kern-1.5ex\rightharpoonup}}}
```

```
\fix ...
    \ifp _{1104} \usrmth{fix}{}{fun}
    \gfp 1106 \usrmth{lfp}{}{fun}
        1107 \usrmth{gfp}{}{fun}
        \Aomega ...
 \label{loss_loss} $$\Lambda = 1109 \operatorname{Aomega}{{\columnwidth}{Aomega}} \
        1110 \usrmth{AOmega}{}{argset}[\Omega]
 \Atheta ...
 \ATheta 1111 \usrmth{Atheta}{}{argset}[\theta]
        1112 \usrmth{ATheta}{}{argset}[\Theta]
\Aomicron ...
1114 \usrmth{AOmicron}{}{argset}[\Omicron]
        \SetB ...
        1116 \DeclareRobustCommand{\SetB}
             {\mthset[mathbb]{B}}
   \SetF ...
        1118 \DeclareRobustCommand{\SetF}
             {\mthset[mathbb]{F}}
   \SetN ...
  \verb|\SetNI| 1120 \verb|\DeclareRobustCommand{\SetN}|
        1121 \quad \{\text{mthset[mathbb]} \{N\}\}
        1122 \DeclareRobustCommand{\SetNI}[1][]
        1123 {\SetN[\infty #1]}
   \SetZ ...
  \SetZI 1124 \DeclareRobustCommand{\SetZ}
 \SetZPI 1125 {\mthset[mathbb]{Z}}
 \SetZNI 1126 \DeclareRobustCommand{\SetZI}[1][]
        1127 {\SetZ[\pm\infty #1]}
        1128 \DeclareRobustCommand{\SetZPI}[1][]
        1129 {\SetZ[+\infty #1]}
        1130 \DeclareRobustCommand{\SetZNI}[1][]
        1131 {\SetZ[-\infty #1]}
   \SetQ ...
  \SetQI 1132 \DeclareRobustCommand{\SetQ}
 \SetQPI 1133 {\mthset[mathbb]{Q}}
 \SetQNI 1134 \DeclareRobustCommand{\SetQI}[1][]
        1135 {\SetQ[\pm\infty #1]}
        1136 \DeclareRobustCommand{\SetQPI}[1][]
        1137 {\SetQ[+\infty #1]}
        1138 \DeclareRobustCommand{\SetQNI}[1][]
        1139 {\SetQ[-\infty #1]}
   \SetR ...
  \P 1140 \ensuremath{\mbox{DeclareRobustCommand}}\
 \SetRPI _{1141} \ \mbox{ [mathbb] {R}}
 \SetRNI 1142 \DeclareRobustCommand{\SetRI}[1][]
        1143 {\SetR[\pm\infty #1]}
```

```
1144 \DeclareRobustCommand{\SetRPI}[1][]
      1145 {\SetR[+\infty #1]}
      1146 \DeclareRobustCommand{\SetRNI}[1][]
      1147 {\SetR[-\infty #1]}
\SetCI 1148 \DeclareRobustCommand{\SetC}
          {\mthset[mathbb]{C}}
      1150 \DeclareRobustCommand{\SetCI}[1][]
      1151 {\SetC[\infty #1]}
      \num ...
\verb|\numcc||_{1153} \verb|\DeclareRobustCommand{\num}[1]
\numco 1154 {\mth{[#1]}}
\numoc 1155 \DeclareRobustCommand{\numcc}[2]
\numoo 1156 {\mth{[\argsep{#1}{,}{#2}]}}
     1157 \DeclareRobustCommand{\numco}[2]
      1158 {\mth{[\argsep{#1}{,}{#2})}}
      1159 \DeclareRobustCommand{\numoc}[2]
      1160 {\mth{(\argsep{#1}{,}{#2}]}}
      1161 \DeclareRobustCommand{\numoo}[2]
          {\mth{(\argsep{#1}{,}{#2})}}
      \abs ...
\verb| norm | 1164 \\ | DeclareRobustCommand{\abs}|
      1165 {\ifexclavar{\@eabs}{\@abs}}
      1166 \DeclareRobustCommand{\@abs}[1]
      1167 {\mth{\argmid{\left\lvert}{#1}{\right\rvert}}}
      1168 \DeclareRobustCommand(\@eabs)[1]
          {\mth!{\argmid{\lvert}{#1}{\rvert}}}
      1170 \DeclareRobustCommand{\norm}
          {\ifexclavar{\@enorm}{\@norm}}
      1172 \DeclareRobustCommand{\@norm}[1]
      1173 {\mth{\argmid{\left\lVert}{#1}{\right\rVert}}}
      1174 \DeclareRobustCommand{\@enorm}[1]
          {\mth!{\argmid{\lVert}{#1}{\rVert}}}
\floor ...
\cite{Command}
          {\ifexclavar{\@efloor}{\@floor}}
      1178 \DeclareRobustCommand{\@floor}[1]
           {\mth{\argmid{\left\lfloor}{#1}{\right\rfloor}}}
      1180 \DeclareRobustCommand{\Qefloor}[1]
           {\mth!{\argmid{\lfloor}{#1}{\rfloor}}}
      1182 \DeclareRobustCommand{\ceil}
      1183 {\ifexclavar{\@eceil}{\@ceil}}
      1184 \DeclareRobustCommand{\@ceil}[1]
      1185 {\mth{\argmid{\left\lceil}{#1}{\right\rceil}}}
      1186 \DeclareRobustCommand{\@eceil}[1]
          {\mth!{\argmid{\lceil}{#1}{\rceil}}}
      1189 \usrmth{arg}{}{fun}
 \evn ...
 \verb| odd |_{1190} \verb| usrmth{evn}{{fun}} |
      1191 \usrmth{odd}{}{fun}
```

```
\bst ...
     \label{lambda} $$ \arg bst_{1192 \usrmth{bst}{fun}} $$
             1193 \usrmth{argbst}{}{fun}[arg\,bst]
        \min ...
        \label{local_state} $\max_{1194 \ \text{usrmth}\{\min\}{\}}\{\text{fun}\}$}
     \argmax 1196 \usrmth{argmin}{}{fun}[arg\,min]
            1197 \usrmth{argmax}{}{fun}[arg\,max]
        \inf ...
        \sup _{1198} \ \ \inf_{1}{fun}
             1199 \operatorname{sup}{}{\mathrm{sup}}{}{\mathrm{fun}}
        \gcd ...
        \label{lower} $\lower.$ 1200 \symbol{gcd}{\fun}
             1201 \operatorname{lcm}{{} \{}fun}
             \emptyseq ...
             1203 \DeclareRobustCommand{\emptyseq}
             1204 {\mth{\varepsilon}}
        \len ...
             1205 \DeclareRobustCommand{\len}
             1206 {\ifexclavar{\@elen}{\@len}}
             1207 \DeclareRobustCommand{\@len}[1]
             1208 {\mth{\argmid{\left\lvert}{#1}{\right\rvert}}}
             1209 \DeclareRobustCommand{\@elen}[1]
             1210 {\bf \{\nth!{\argmid{\lvert}}{\#1}{\rvert}}}
        \fst ...
        \label{limits} $$ \prod_{1211 \in \mathbb{R}} {\rm st}{{\rm st}} = {\rm st} .
             1212 \usrmth{lst}{}{argfun}
             1213 \fi
             1218 \ifcom@
   \defcomcls ... to do!
                • \defcomcls{CompClass};
                 \CompClass[sub][sup][arg] = COMPCLASS_{SUB}^{SUP}(ARG)
                • \defcomcls{CompClass}[NewClass];
                 \compClass[sub][sup][arg] = NewClass_{SUB}^{SUP}(ARG)
             1219 \DeclareRobustCommandx{\defcomcls}[2][2=]
             1220 {\csdef{#1}{\txtoargcom{\defval{#2}{#1}}}}
\defcomclsgrp ... to do!
                \defcomclsgrp{CompClass};
                  \CompClass[sub][sup][arg] = COMPCLASS_{SUB}^{SUP}(ARG)
                  \CoCompClass[sub][sup][arg] = CoCompCLASS_{SUB}^{SUP}(ARG)
                  \verb|\CompClassE[sub][sup][arg]| = CompClass-Easy_{SUB}^{SUB}(ARG)
                  \CoCompClassE[sub][sup][arg] = CoCompClass-Easy_{SUB}^{SUP}(ARG)
                  \label{loss-hard-sub} $$ \operatorname{CompClassH[sub][sup][arg]} = \operatorname{CompClass-hard-Sup}_{SUB}(\operatorname{ARG}) $$
```

```
\CoCompClassH[sub][sup][arg] = CoCompClass-Hard_{SUB}^{SUP}(ARG)
   \label{lossC} $$ \operatorname{CompClassC[sub][sup][arg]} = \operatorname{COMPCLASS-COMPLETE}^{SUP}_{SUB}(ARG) 
   \CoCompClassC[sub][sup][arg] = CoCompClass-Complete_{SUB}^{SUP}(ARG)
  \verb|\DCompClass[sub][sup][arg]| = DCompClass[sup](Arg)
  \CoDCompClass[sub][sup][arg] = CoDCompCLASS_{SUB}^{SUP}(ARG)
  \verb|\DCompClassE[sub][sup][arg]| = DCompClass-easy_{SUB}^{SUP}(ARG)
  \verb|\CodCompClassE[sub][sup][arg]| = CodCompClass-easy^{SUP}_{SUB}(ARG)
  \label{eq:decompClassH} $$\D{\compClassHard}_{SuB}[sub][sup] = DCOMPCLASS-HARD_{SUB}^{SUP}(ARG)$
   \verb|\CoDCompClassH[sub][sup][arg]| = CoDCompClass-Hard_{SUB}^{SUP}(ARG)
   \verb|\DCompClassC[sub][sup][arg]| = DCompClass-complete_{SuB}^{SUP}(ARG)
  \CoDCompClassC[sub][sup][arg] = CoDCompClass-Complete_{SUB}^{SUP}(ARG)
  \label{eq:ncompClass} $$ [\sup] [arg] = NCOMPCLASS_{SUB}^{SUP}(ARG) $$
  \verb|\CoNCompClass[sub][sup][arg]| = CoNCompClass_{SUB}^{SUP}(ARG)
  \verb|\NCompClassE[sub][sup][arg]| = NCOMPCLASS-EASY_{SUB}^{SUP}(ARG)
  \verb|\ConCompClassE[sub][sup][arg]| = ConCompClass-Easy_{SUB}^{SUP}(ARG)
  \N{\c CompClassH[sub][sup][arg]} = N{\c CompClass-Hard}_{SUB}^{SUP}(ARG)
  \ConCompClassH[sub][sup][arg] = ConCompClass-Hard_{SUB}^{SUP}(Arg)
  \NCompClassC[sub][sup][arg] = NCOMPCLASS-COMPLETE_{SUB}^{SUP}(ARG)
  \ConCompClassC[sub][sup][arg] = ConCompClass-CompLete_{Sub}^{SUP}(ARG)
  \UCompClass[sub][sup][arg] = UCompClass_{SUB}^{SUP}(ARG)
  \Coulomb Class[sub][sup][arg] = Coulomb Class_{SUB}^{SUP}(ARG)
  \UCompClassE[sub][sup][arg] = UCompClass-Easy_{SUB}^{SUP}(ARG)
  \verb|\CoUCompClassE[sub][sup][arg]| = CoUCompClass-Easy_{SUB}^{SUP}(ARG)
  \UCompClassH[sub][sup][arg] = UCompClass-Hard_{SUB}^{SUP}(Arg)
   \verb|\CoUCompClassH[sub][sup][arg]| = CoUCompClass-Hard_{SUB}^{SUP}(ARG)
  \Coultberry Coultberry Coultber
  \triangle CompClass[sub][sup][arg] = ACOMPCLASS_{SUB}^{SUP}(ARG)
  \verb|\CoACompClass[sub][sup][arg]| = CoACompClass_{SUB}^{SUP}(ARG)
  \verb|\ACompClassE[sub][sup][arg]| = ACOMPCLASS-EASY_{SUB}^{SUP}(ARG)
  \verb|\CoACompClassE[sub][sup][arg]| = CoACompClass-Easy_{SuB}^{SUP}(ARG)
  \verb|\ACompClassH[sub][sup][arg]| = ACOMPCLASS-HARD_{SUB}^{SUP}(ARG)
   \CoACompClassH[sub][sup][arg] = CoACompClass-Hard_{SUB}^{SUP}(ARG)
   \triangle CompClassC[sub][sup][arg] = ACOMPCLASS-COMPLETE_{SUB}^{SUP}(ARG)
   \verb|\CoACompClassC[sub][sup][arg]| = CoACompClass-complete_{SUB}^{SUP}(ARG)
\defcomclsgrp{CompClass}[NewClass];
   \CompClass[sub][sup][arg] = NEWCLASS_{SUB}^{SUP}(ARG)
  \verb|\CoCompClass[sub][sup][arg]| = CoNewClass_{SUB}^{SUP}(ARG)
   \compClassE[sub][sup][arg] = NewClass-easy_{SUB}^{SUP}(ARG)
  \verb|\CoCompClassE[sub][sup][arg]| = CoNewClass-easy_{sub}^{SUP}(ARG)
   \verb|\CompClassH[sub][sup][arg]| = NewClass-Hard_{SUB}^{SUP}(ARG)
   \CoCompClassH[sub][sup][arg] = CoNewClass-Hard_{SUB}^{SUP}(Arg)
   \label{lossC} $$ \operatorname{CompClassC[sub][sup][arg]} = \operatorname{NewClass-CompLete}_{\operatorname{SUB}}^{\operatorname{SUP}}(\operatorname{ARG}) $$
  \verb|\CoCompClassC[sub][sup][arg]| = \operatorname{CoNewClass-complete}_{SUB}^{SUP}(ARG)
  \DCompClass[sub][sup][arg] = DNEWCLASS_{SUB}^{SUP}(ARG)
  \verb|\CoDCompClass[sub][sup][arg]| = CoDNewClass_{SUB}^{SUP}(ARG)
  \DCompClassE[sub][sup][arg] = DNEWCLASS-EASY_{SUB}^{SUP}(ARG)
  \CodCompClassE[sub][sup][arg] = CodNewClass-Easy_{SUB}^{SUP}(ARG)
   \label{eq:decompClassH} $$\DCompClassH[sub][sup][arg] = DNEWCLASS-HARD_{SUB}^{SUP}(ARG)$
   \verb|\CoDCompClassH[sub][sup][arg]| = CoDNewClass-Hard_{SUB}^{SUP}(ARG)
  \label{eq:decompClassC} $$\D{\compClassC[sub][sup][arg]} = DNEWCLASS-COMPLETE_{SUB}^{SUP}(ARG)
  \CodCompClassC[sub][sup][arg] = CodNewClass-Complete_{SUB}^{SUP}(ARG)
  \verb|\NCompClass[sub][sup][arg]| = NNEWCLASS_{SUB}^{SUP}(ARG)
  \ConCompClass[sub][sup][arg] = ConNewClass_{SUB}^{SUP}(ARG)
   \verb|\NCompClassE[sub][sup][arg]| = NNEWCLASS-EASY_{SUB}^{SUP}(ARG)
   \verb|\CoNCompClassE[sub][sup][arg]| = CoNNewClass-EASY_{SUB}^{SUP}(ARG)
   \NCompClassH[sub][sup][arg] = NNEWCLASS-HARD_{SUB}^{SUP}(ARG)
```

```
\verb|\NCompClassC[sub][sup][arg]| = NNewClass-complete_{Sub}^{SUP}(ARG)
                              \ConCompClassC[sub][sup][arg] = ConNewClass-Complete_{Sub}^{SUP}(Arg)
                             \verb|\UCompClass[sub][sup][arg]| = UNEWCLASS^{SUP}_{SUB}(ARG)
                             \verb|\CoUCompClass[sub][sup][arg]| = CoUNewClass_{SUB}^{SUP}(ARG)
                             \label{eq:UCompClassE[sub] sup of the complex of 
                             \verb|\CoUCompClassE[sub][sup][arg]| = CoUNewClass-easy_{SUB}^{SUP}(ARG)
                             \label{eq:UCompClassH} $$ \UCompClassH[sub] [sup] [arg] = UNEWCLASS-HARD_{SUB}^{SUP}(ARG) $$
                              \verb|\CoUCompClassH[sub][sup][arg]| = CoUNEWCLASS-HARD_{SUB}^{SUP}(ARG)
                              \label{eq:union_loss} $$ \UCompClassC[sub][sup][arg] = UNEWCLASS-COMPLETE_{SUB}^{SUP}(ARG) $$
                              \CoUCompClassC[sub][sup][arg] = CoUNEWCLASS-COMPLETE_{SUB}^{SUP}(ARG)
                             \verb|\ACompClass[sub][sup][arg]| = ANEWCLASS_{SUB}^{SUP}(ARG)
                              \CoACompClass[sub][sup][arg] = CoANEWCLASS_{SUB}^{SUP}(ARG)
                             \label{eq:accompClassE} $$ \Delta CompClassE[sub][sup][arg] = ANEWCLASS-EASY_{SUB}^{SUP}(ARG) $$
                              \CoACompClassE[sub][sup][arg] = CoANEWCLASS-EASY_{SUB}^{SUP}(ARG)
                             \Lambda CompClassH[sub][sup][arg] = ANEWCLASS-HARD_{SUB}^{SUP}(ARG)
                              \CoACompClassH[sub][sup][arg] = CoANewClass-Hard_{SUB}^{SUP}(Arg)
                              \ACompClassC[sub][sup][arg] = ANEWCLASS-COMPLETE_{SUB}^{SUP}(ARG)
                             \CoACompClassC[sub][sup][arg] = CoANEWCLASS-COMPLETE_{SUB}^{SUP}(ARG)
                    1221 \DeclareRobustCommandx{\defcomclsgrp}[2][2=]
                    1222
                                {\defcomclsgrpsem{\#1}{\defval{\#2}{\#1}}}\%
                    1223
                                \defcomclsgrpsem{#1}{\defval{#2}{#1}}[Co]}
                    1224 \DeclareRobustCommandx{\defcomclsgrpsem}[3][3=]
                    1225
                                {\defcomclsgrpred{#3#1}{#2}[#3]%
                    1226
                               \defcomclsgrpred{#3D#1}{#2}[#3D]%
                    1227
                               1228
                               \defcomclsgrpred{#3U#1}{#2}[#3U]%
                    1229
                               \defcomclsgrpred{#3A#1}{#2}[#3A]}
                    1230 \DeclareRobustCommandx{\defcomclsgrpred}[3][3=]
                    1231
                               {\defcomclsgrpcmd{#1}{#2}[#3]%
                    1232
                               \defcomclsgrpcmd{#1E}{#2}[#3][-easy]%
                    1233
                               \defcomclsgrpcmd{#1H}{#2}[#3][-hard]%
                               \defcomclsgrpcmd{#1C}{#2}[#3][-complete]}%
                    1235 \DeclareRobustCommandx{\defcomclsgrpcmd}[4][3=, 4=]
                               {\csdef{#1}{\txtoargcom{#3#2#4}}}
\defcomhrc ... to do!
                          • \defcomhrc{CompHierarchy};
                              CompHierarchy[sub][sup][par] = COMPHIERARCHY<sup>SUP</sup><sub>SUB</sub>[PAR]
                          • \defcomhrc{CompHierarchy} [NewHierarchy];
                              CompHierarchy[sub][sup][par] = NEWHIERARCHY<sup>SUP</sup>[PAR]
                    1237 \DeclareRobustCommandx{\defcomhrc}[2][2=]
                               {\csdef{#1}{\txtoparcom{\defval{#2}{\#1}}}}
                    \Easy
        \Hard _{1240} \cmdtxtcom{Easy}
 \Complete 1241 \cmdtxtcom{Hard}
                    1242 \cmdtxtcom{Complete}
                    • \FPT[sub][sup][arg] = FPT_{SUB}^{SUP}(ARG)
          \FPT
       \FPLin
                          • \FPLin[sub][sup][arg] = FPL_{SUB}^{SUP}(ARG)
       \FPQdr
                          • \FPQdr[sub][sup][arg] = FPQ_{SUB}^{SUP}(ARG)
       \FPCub
```

 $\ConCompClassH[sub][sup][arg] = ConNewClass-Hard_{Sub}^{SUP}(Arg)$

```
• \FPCub[sub][sup] [arg] = FPC_{SUB}^{SUP}(ARG)
                     1244 \defcomcls{FPT}
                     1245 \defcomcls{FPLin}[FPL]
                     1246 \defcomcls{FPQdr}[FPQ]
                     1247 \defcomcls{FPCub}[FPC]
     \Time(E/H/C)
                         • Time[sub][sup][arg] = TIME_{SUB}^{SUP}(ARG)
                           TimeE[sub][sup][arg] = TIME-EASY_{SUB}^{SUP}(ARG)
    \DTime(E/H/C)
                           TimeH[sub][sup][arg] = TIME-HARD_{SUB}^{SUP}(ARG)
   \Time(E/H/C)
                            TimeC[sub][sup][arg] = TIME-COMPLETE_{SUB}^{SUP}(ARG)
   \UTime(E/H/C)
   \ATime(E/H/C)
                         • \DTime[sub][sup][arg] = DTIME_{SUB}^{SUP}(ARG)
                            \DTimeE[sub][sup][arg] = DTIME-EASY_{SUB}^{SUP}(ARG)
                            \DTimeH[sub][sup][arg] = DTIME-HARD_{SUB}^{SUP}(ARG)
                            \texttt{DTimeC[sub][sup][arg]} = DTIME-COMPLETE_{SUB}^{SUP}(ARG)
                         • \NTime[sub][sup][arg] = NTIME_{SUB}^{SUP}(ARG)
                            \NTimeE[sub][sup][arg] = NTIME-EASY_{SUB}^{SUP}(ARG)
                            \NTimeH[sub][sup][arg] = NTIME-HARD_{SUB}^{SUP}(ARG)
                            \NTimeC[sub][sup][arg] = NTIME-COMPLETE_{SUB}^{SUP}(ARG)
                         \UTimeE[sub][sup][arg] = UTIME-EASY_{SUB}^{SUP}(ARG)
                            \UTimeH[sub][sup][arg] = UTIME-HARD_{SUB}^{SUP}(ARG)
                            \UTimeC[sub][sup][arg] = UTIME-COMPLETE_{SUB}^{SUP}(ARG)
                         \bullet \ \ \texttt{\ATime[sub][sup][arg]} = \mathrm{ATime}^{\mathrm{SUP}}_{\mathrm{SUB}}(\mathrm{ARG})
                            \verb| ATimeE[sub][sup][arg] = ATIME-EASY_{SUB}^{SUP}(ARG)
                            \verb| ATimeH[sub] [sup] [arg] = ATIME-HARD_{SUB}^{SUP}(ARG)
                           \Delta TimeC[sub][sup][arg] = ATIME-COMPLETE_{SUB}^{SUP}(ARG)
                     1249 \defcomclsgrp{Time}
                         • Space[sub][sup][arg] = Space[Sub](ARG)
   \Space(E/H/C)
                            \SpaceE[sub][sup][arg] = SPACE-EASY_{SUB}^{SUP}(ARG)
  \DSpace(E/H/C)
                            \SpaceH[sub][sup][arg] = SPACE-HARD_{SUB}^{SUP}(ARG)
  \NSpace(E/H/C)
                            \SpaceC[sub][sup][arg] = SPACE-COMPLETE_{SUB}^{SUP}(ARG)
  \USpace(E/H/C)
                         • DSpace[sub][sup][arg] = DSPACE_{SUB}^{SUP}(ARG)
  \ASpace(E/H/C)
                           \texttt{DSpaceE[sub][sup][arg]} = DSPACE-EASY_{SUB}^{SUP}(ARG)
                            \DSpaceH[sub][sup][arg] = DSPACE-HARD_{SUB}^{SUP}(ARG)
                            \verb|\DSpaceC[sub][sup][arg]| = \mathrm{DSPACE\text{-}COMPLETE}^{SUP}_{SUB}(ARG)
                         \bullet \ \texttt{NSpace[sub][sup][arg]} = \mathrm{NSPACE}^{SUP}_{SUB}(ARG)
                           \verb|\NSpaceE[sub][sup][arg]| = NSPACE-EASY_{SUB}^{SUP}(ARG)
                            \NSpaceH[sub][sup][arg] = NSPACE-HARD_{SUB}^{SUP}(ARG)
                            \verb|\NSpaceC[sub][sup][arg]| = NSPACE-COMPLETE_{SUB}^{SUP}(ARG)
                         • USpace[sub][sup][arg] = USPACE_{SUB}^{SUP}(ARG)
                            \verb|VUSpaceE[sub][sup][arg]| = USPACE-EASY_{SUB}^{SUB}(ARG)
                            \verb|VSpaceH[sub][sup][arg]| = USpace-Hard_{SUB}^{SUP}(ARG)
                            \verb|VSpaceC[sub][sup][arg]| = USPACE-COMPLETE_{SUB}^{SUP}(ARG)
                         • ASpace[sub][sup][arg] = ASPACE_{SUB}^{SUP}(ARG)
                            ASpaceE[sub][sup][arg] = ASPACE-EASY_{SUB}^{SUP}(ARG)
                            \verb|\ASpaceH[sub][sup][arg]| = ASPACE-HARD_{SUB}^{SUP}(ARG)
                            ASpaceC[sub][sup][arg] = ASPACE-COMPLETE_{SUB}^{SUP}(ARG)
                     1250 \defcomclsgrp{Space}
                          \bullet \ \texttt{\logTime[sub][sup][arg]} = \mathrm{LogTime}^{\mathrm{SUP}}_{\mathrm{SUB}}(\mathrm{Arg}) 
 \LogTime(E/H/C)
                           \verb|\LogTimeE[sub][sup][arg]| = LogTime-Easy_{SUB}^{SUP}(ARG)
\DLogTime(E/H/C)
                            \LogTimeH[sub][sup][arg] = LogTime-Hard_{SUB}^{SUP}(Arg)
\NLogTime(E/H/C)
                            \lceil LogTimeC[sub][sup][arg] = LogTime-Complete_{SUB}^{SUP}(ARG)
\ULogTime(E/H/C)
\ALogTime(E/H/C)
                         • \DLogTime[sub][sup][arg] = DLogTime_{SUB}^{SUP}(ARG)
                            \verb|\DLogTimeE[sub][sup][arg]| = DLOGTIME-EASY_{SUB}^{SUP}(ARG)
                            \texttt{DLogTimeH[sub][sup][arg]} = DLogTime-Hard_{SUB}^{SUP}(ARG)
```

 $\DLogTimeC[sub][sup][arg] = DLogTime-COMPLETE_{SUB}^{SUP}(ARG)$

```
\verb|\NLogTimeE[sub][sup][arg]| = NLogTime-EASY_{SUB}^{SUP}(ARG)
                            \verb|\NLogTimeH[sub][sup][arg]| = NLOGTIME-HARD_{SUB}^{SUP}(ARG)
                            \NLogTimeC[sub][sup][arg] = NLogTime-Complete_{SUB}^{SUP}(ARG)
                          • \ULogTime[sub][sup][arg] = ULogTime_{SUB}^{SUP}(ARG)
                            \verb|\ULogTimeE[sub][sup][arg]| = ULogTime-EASY_{SUB}^{SUP}(ARG)
                            \verb|\ULogTimeH[sub][sup][arg]| = ULogTime-Hard_{SUB}^{SUP}(ARG)
                            \ULogTimeC[sub][sup][arg] = ULogTime-COMPLETE_{SUB}^{SUP}(ARG)
                          • ALogTime[sub][sup][arg] = ALogTime_{SUB}^{SUP}(ARG)
                            \verb|\ALogTimeE[sub][sup][arg]| = ALogTime-EASY_{SUB}^{SUP}(ARG)
                            \ALogTimeH[sub][sup][arg] = ALogTime-Hard_{SUB}^{SUP}(ARG)
                            \verb|\ALogTimeC[sub][sup][arg]| = ALOGTIME-COMPLETE_{SUB}^{SUP}(ARG)
                     1251 \defcomclsgrp{LogTime}
                          • \lfloor LogSpace[sub][sup][arg] = LogSpace_{SUB}^{SUP}(ARG)
\LogSpace(E/H/C)
                            \LogSpaceE[sub][sup][arg] = LogSpace-Easy_{SUB}^{SUP}(ARG)
\DLogSpace(E/H/C)
                            \verb|\LogSpaceH[sub][sup][arg]| = \operatorname{LogSpace-Hard}_{SUB}^{SUP}(ARG)
\NLogSpace(E/H/C)
                            LogSpaceC[sub][sup][arg] = LogSpace-Complete_{Sub}^{SUP}(ARG)
\ULogSpace(E/H/C)
\ALogSpace(E/H/C)
                          • DLogSpace[sub][sup][arg] = DLogSpace_{SUB}^{SUP}(ARG)
                            \label{eq:decomposition} $$\DLogSpaceE[sub][sup][arg] = DLogSpace-Easy_{SUB}^{SUP}(ARG)$
                            \verb|\DLogSpaceH[sub][sup][arg]| = DLogSpace-Hard_{SUB}^{SUP}(ARG)
                            \DLogSpaceC[sub][sup][arg] = DLogSpace-Complete_{SUB}^{SUP}(ARG)
                          • \NLogSpace[sub][sup][arg] = NLogSpace_{SUB}^{SUP}(ARG)
                            \NLogSpaceE[sub][sup][arg] = NLogSpace-Easy_{SUB}^{SUP}(ARG)
                            \verb|\NLogSpaceH[sub][sup][arg]| = NLogSpace-Hard_{SUB}^{SUP}(ARG)
                            \NLogSpaceC[sub][sup][arg] = NLogSpace-Complete_{SUB}^{SUP}(Arg)
                          • \ULogSpace[sub][sup][arg] = ULogSpace[Sub](ARG)
                            \label{eq:ULogSpaceE} $$\operatorname{ULogSpace-EASY}^{SUP}_{SUB}(ARG)$$
                            \verb|\ULogSpaceH[sub][sup][arg]| = ULogSpace-Hard_{SUB}^{SUP}(ARG)
                            \verb| ULogSpaceC[sub][sup][arg] = ULogSpace-complete_{SUB}^{SUP}(ARG)
                          • ALogSpace[sub][sup][arg] = ALogSpace_{SUB}^{SUP}(ARG)
                            ALogSpaceE[sub][sup][arg] = ALogSpace-Easy_{SUB}^{SUP}(ARG)
                            \ALogSpaceH[sub][sup][arg] = ALogSpace-Hard_{SUB}^{SUP}(Arg)
                            \verb|\ALogSpaceC[sub][sup][arg]| = ALogSpace-Complete_{Sub}^{SUP}(ARG)
                     1252 \defcomclsgrp{LogSpace}
    \PTime(E/H/C)
                          • \P [sub] [sup] [arg] = \Pr [MESUP (ARG)
                            \P \PTimeE[sub] [sup] [arg] = PTIME-EASY<sub>SUB</sub>(ARG)
   \DPTime(E/H/C)
                            \P \PTimeH[sub] [sup] [arg] = PTIME-HARD_SUB (ARG)
   \NPTime(E/H/C)
                            \P \PTimeC[sub] [sup] [arg] = PTIME-COMPLETE_{SUB}^{SUP}(ARG)
   \UPTime(E/H/C)
   \APTime(E/H/C)
                          \verb|\DPTimeE[sub][sup][arg]| = \mathrm{DPTIME\text{-}EASY}^{SUP}_{SUB}(\mathrm{ARG})
                            \DPTimeH[sub][sup][arg] = DPTIME-HARD_{SUB}^{SUP}(ARG)
                            \DPTimeC[sub][sup][arg] = DPTIME-COMPLETE_{SUB}^{SUP}(ARG)
                          • \NPTime[sub][sup][arg] = NPTIME_{SUB}^{SUP}(ARG)
                            \NPTimeE[sub][sup][arg] = NPTIME-EASY_{SUB}^{SUP}(ARG)
                            \NPTimeH[sub][sup][arg] = NPTIME-HARD_{SUB}^{SUP}(ARG)
                            \NPTimeC[sub][sup][arg] = NPTIME-COMPLETE_{SUB}^{SUP}(ARG)
                         \verb|\UPTimeE[sub][sup][arg]| = \mathrm{UPTIME\text{-}EASY}^{SUP}_{SUB}(ARG)
                            \UPTimeH[sub][sup][arg] = UPTIME-HARD_{SUB}^{SUP}(ARG)
                            \UPTimeC[sub][sup][arg] = UPTIME-COMPLETE_{SUB}^{SUP}(ARG)
                          \bullet \ \texttt{\ \ } \texttt{APTime[sub][sup][arg]} = APTIME^{SUP}_{SUB}(ARG)
                            \texttt{\APTimeE[sub][sup][arg]} = \operatorname{APTIME-EASY}^{SUP}_{SUB}(\operatorname{ARG})
                            \texttt{\APTimeH[sub][sup][arg]} = APTIME-HARD_{SUB}^{SUP}(ARG)
                            \triangle PTimeC[sub][sup][arg] = APTIME-COMPLETE_{SUB}^{SUP}(ARG)
                     1253 \defcomclsgrp{PTime}
```

• $\NLogTime[sub][sup][arg] = NLogTime_{SUB}^{SUP}(ARG)$

```
\PSpace(E/H/C)
                           • \PSpace[sub][sup][arg] = PSPACE_{SUB}^{SUP}(ARG)
                             \verb|\PSpaceE[sub][sup][arg]| = PSPACE-EASY_{SUB}^{SUP}(ARG)
 \DPSpace(E/H/C)
                             \label{eq:pspaceH} $$ \PSpaceH[sub] [sup] [arg] = PSpace-HARD_{SUB}^{SUP}(ARG) 
 \NPSpace(E/H/C)
                             \PSpaceC[sub][sup][arg] = PSPACE-COMPLETE_{SUB}^{SUP}(ARG)
 \UPSpace(E/H/C)
                           • \DPSpace[sub][sup][arg] = DPSPACE_{SUB}^{SUP}(ARG)
 \APSpace(E/H/C)
                             \label{eq:decomposition} $$ \DPSpaceE[sub][sup][arg] = DPSpace-EASY_{SUB}^{SUP}(ARG) $$
                             \label{eq:decomposition} $$ \DPSpaceH[sub][sup][arg] = DPSpace-HARD_{SUB}^{SUP}(ARG) $$
                             \label{eq:decomplete_SUB} $$ \DPSPACE-COMPLETE_{SUB}^{SUP}(ARG) $$
                           • \NPSpace[sub][sup][arg] = NPSPACE_{SUB}^{SUP}(ARG)
                             \NPSpaceE[sub][sup][arg] = NPSPACE-EASY_{SUB}^{SUP}(ARG)
                             \label{eq:NPSpaceH} $$ \NPSpaceH[sub] [sup] [arg] = NPSpace-HARD_{SUB}^{SUP}(ARG) $$
                             \NPSpaceC[sub][sup][arg] = NPSPACE-COMPLETE_{SUB}^{SUP}(ARG)
                           • \UPSpace[sub][sup][arg] = UPSPACE_{SUB}^{SUP}(ARG)
                             \label{eq:upspace} $$ \UPSPACE-EASY_{SUB}^{SUP}(ARG) = UPSPACE-EASY_{SUB}^{SUP}(ARG) $$
                             \verb|VPSpaceH[sub][sup][arg]| = UPSPACE-HARD_{SUB}^{SUP}(ARG)
                             \UPSpaceC[sub][sup][arg] = UPSPACE-COMPLETE_{SUB}^{SUP}(ARG)
                           \bullet \ \ \texttt{APSpace[sub][sup][arg]} = \mathrm{APSpace}^{SUP}_{SUB}(ARG)
                             \verb|\APSpaceE[sub][sup][arg]| = APSPACE-EASY_{SUB}^{SUP}(ARG)
                             \verb|\APSpaceH[sub][sup][arg]| = APSPACE-HARD_{SUB}^{SUP}(ARG)
                             \label{eq:apsilon} $$ APSpaceC[sub] [sup] [arg] = APSpace-Complete_{SUB}^{SUP}(ARG) $$
                      1254 \defcomclsgrp{PSpace}
                           • \QPTime[sub][sup][arg] = QPTIME_{SUB}^{SUP}(ARG)
  \QPTime(E/H/C)
                             \label{eq:QPTimeEsub} $$ \PTIME-EASY_{SUB}^{SUP}(ARG) = QPTIME-EASY_{SUB}^{SUP}(ARG) $$
 \DQPTime(E/H/C)
                             \verb|\QPTimeH[sub][sup][arg]| = \mathrm{QPTIME}\text{-}\mathrm{HARD}^{\mathrm{SUP}}_{\mathrm{SUB}}(\mathrm{ARG})
 \NQPTime(E/H/C)
                             \QPTimeC[sub][sup][arg] = QPTIME-COMPLETE_{SUB}^{SUP}(ARG)
 \UQPTime(E/H/C)
 \AQPTime(E/H/C)
                           • \DQPTime[sub][sup][arg] = DQPTIME_{SUB}^{SUP}(ARG)
                             \verb|\DQPTimeE[sub][sup][arg]| = DQPTIME-EASY_{SUB}^{SUP}(ARG)
                             \verb|\DQPTimeH[sub][sup][arg]| = \mathrm{DQPTIME-HARD}^{SUP}_{SUB}(\mathrm{ARG})
                             \DQPTimeC[sub][sup][arg] = DQPTIME-COMPLETE_{SUB}^{SUP}(ARG)
                           • \NQPTime[sub][sup][arg] = NQPTIME_{SUB}^{SUP}(ARG)
                             \NQPTimeE[sub][sup][arg] = NQPTIME-EASY_{SUB}^{SUP}(ARG)
                             \verb|\NQPTimeH[sub][sup][arg]| = NQPTIME-HARD_{SUB}^{SUP}(ARG)
                             \NQPTimeC[sub][sup][arg] = NQPTIME-COMPLETE_{SUB}^{SUP}(ARG)
                           \verb|VQPTimeE[sub][sup][arg]| = \mathrm{UQPTIME\text{-}EASY}^{SUP}_{SUB}(\mathrm{ARG})
                             \verb|VQPTimeH[sub][sup][arg]| = \mathrm{UQPTIME-HARD}^{SUP}_{SUB}(\mathrm{ARG})
                             \UQPTimeC[sub][sup][arg] = UQPTIME-COMPLETE_{SUB}^{SUP}(ARG)
                           • AQPTime[sub][sup][arg] = AQPTIME_{SUB}^{SUP}(ARG)
                             \texttt{AQPTimeE[sub][sup][arg]} = AQPTIME-EASY_{SUB}^{SUP}(ARG)
                             \Lambda QPTimeH[sub][sup][arg] = AQPTIME-HARD_{SUB}^{SUP}(ARG)
                             \AQPTimeC[sub][sup][arg] = AQPTIME-COMPLETE_{SUB}^{SUP}(ARG)
                      1255 \setminus defcomclsgrp{QPTime}
                           • \QPSpace[sub][sup][arg] = QPSPACE_{SUB}^{SUP}(ARG)
 \QPSpace(E/H/C)
                             \label{eq:QPSpace} $$ \QPSpace[sub] [sup] [arg] = QPSpace-EASY_{SUB}^{SUP}(ARG) $$
\DQPSpace(E/H/C)
                             \verb|\QPSpaceH[sub][sup][arg]| = QPSPACE-HARD_{SUB}^{SUP}(ARG)
\NQPSpace(E/H/C)
                             \label{eq:QPSpaceCsub} $$ \PPSPACE-COMPLETE_{SUB}^{SUP}(ARG) $$
\UQPSpace(E/H/C)
\AQPSpace(E/H/C)
                           • \DQPSpace[sub][sup][arg] = DQPSPACE_{SUB}^{SUP}(ARG)
                             \verb|\DQPSpaceE[sub][sup][arg]| = \mathrm{DQPSPACE\text{-}EASY}^{SUP}_{SUB}(ARG)
                             \verb|\DQPSpaceH[sub][sup][arg]| = DQPSPACE-HARD_{SUB}^{SUP}(ARG)
                             \DQPSpaceC[sub][sup][arg] = DQPSPACE-COMPLETE_{SUB}^{SUP}(ARG)
                           • \NQPSpace[sub][sup][arg] = NQPSPACE_{SUB}^{SUP}(ARG)
                             \verb|NQPSpaceE[sub][sup][arg]| = NQPSPACE-EASY_{SUB}^{SUP}(ARG)
                             \NQPSpaceH[sub][sup][arg] = NQPSPACE-HARD_{SUB}^{SUP}(ARG)
                             \NQPSpaceC[sub][sup][arg] = NQPSPACE-COMPLETE_{SUB}^{SUP}(ARG)
                           • \UQPSpace[sub][sup][arg] = UQPSPACE_{SUB}^{SUP}(ARG)
                             \verb|VQPSpaceE[sub][sup][arg]| = \mathrm{UQPSPACE\text{-}EASY}^{SUP}_{SUB}(ARG)
                             \UQPSpaceH[sub][sup][arg] = UQPSPACE-HARD_{SUB}^{SUP}(ARG)
                             \UQPSpaceC[sub][sup][arg] = UQPSPACE-COMPLETE_{SUB}^{SUP}(ARG)
```

```
\verb|\AQPSpaceH[sub][sup][arg]| = AQPSpace-Hard_{SUB}^{SUP}(ARG)
                            \texttt{AQPSpaceC[sub][sup][arg]} = AQPSPACE\text{-}COMPLETE^{SUP}_{SUB}(ARG)
                      1256 \defcomclsgrp{QPSpace}
  \ExpTime(E/H/C)
                          \bullet \ \texttt{\baseline{targ}[sub][sup][arg]} = \mathrm{ExpTime}^{SUP}_{SUB}(ARG)
                            \texttt{\colored}[sub][sup][arg] = EXPTIME-EASY_{SUB}^{SUP}(ARG)
 \DExpTime(E/H/C)
                            \texttt{\colored}[sub][sup][arg] = EXPTIME-HARD_{SUB}^{SUP}(ARG)
 \NExpTime(E/H/C)
                            \ExpTimeC[sub][sup][arg] = EXPTIME-COMPLETE_{SUB}^{SUP}(ARG)
 \UExpTime(E/H/C)
 \AExpTime(E/H/C)
                          • \DExpTime[sub][sup][arg] = DEXPTIME_{SUB}^{SUP}(ARG)
                            \texttt{DExpTimeE[sub][sup][arg]} = DEXPTIME-EASY_{SUB}^{SUP}(ARG)
                            \DExpTimeH[sub][sup][arg] = DEXpTIME-HARD_{SUB}^{SUP}(ARG)
                            \DExpTimeC[sub][sup][arg] = DEXPTIME-COMPLETE_{SUB}^{SUP}(ARG)
                          • \NExpTime[sub][sup][arg] = NEXPTIME_{SUB}^{SUP}(ARG)
                            \label{eq:new_new_sup} $$ \NEXPTIME-EASY_{SUB}^{SUP}(ARG) = NEXPTIME-EASY_{SUB}^{SUP}(ARG) $$
                            \NExpTimeH[sub][sup][arg] = NEXPTIME-HARD_{SUB}^{SUP}(ARG)
                            \NExpTimeC[sub][sup][arg] = NEXPTIME-COMPLETE_{SUB}^{SUP}(ARG)
                          \UExpTimeE[sub][sup][arg] = UEXPTIME-EASY_{SUB}^{SUP}(ARG)
                            \UExpTimeH[sub][sup][arg] = UEXPTIME-HARD_{SUB}^{SUP}(ARG)
                            \UExpTimeC[sub][sup][arg] = UEXPTIME-COMPLETE_{SUB}^{SUP}(ARG)
                          \bullet \ \texttt{\ \ } \texttt{LargTime[sub][sup][arg]} = AEXPTIME^{SUP}_{SUB}(ARG)
                            \verb|\AExpTimeE[sub][sup][arg]| = AEXPTIME-EASY_{SUB}^{SUP}(ARG)
                            \Delta ExpTimeH[sub][sup][arg] = AEXPTIME-HARD_{SUB}^{SUP}(ARG)
                            \triangle ExpTimeC[sub][sup][arg] = AEXPTIME-COMPLETE_{SUB}^{SUP}(ARG)
                      1257 \defcomclsgrp{ExpTime}
                          \bullet \ \texttt{\baselinestyle LxpSpace[sub][sup][arg]} = \mathrm{ExpSpace}^{SUP}_{SUB}(ARG)
\ExpSpace(E/H/C)
                            \ExpSpaceE[sub][sup][arg] = ExpSpace-Easy_{SUB}^{SUP}(ARG)
\DExpSpace(E/H/C)
                            \ExpSpaceH[sub][sup][arg] = ExpSpace-Hard_{SUB}^{SUP}(ARG)
\NExpSpace(E/H/C)
                            \ExpSpaceC[sub][sup][arg] = ExpSpace-Complete_{SUB}^{SUP}(ARG)
\UExpSpace(E/H/C)
\AExpSpace(E/H/C)
                          \bullet \ \ \texttt{\ \ } \texttt{[sup][arg]} = DExpSpace[\texttt{Sup}(Arg)
                            \texttt{\DExpSpaceE[sub][sup][arg]} = DExpSpace-Easy_{SUB}^{SUP}(ARG)
                            \verb|\DExpSpaceH[sub][sup][arg]| = DEXPSPACE-HARD_{SUB}^{SUP}(ARG)
                            \label{eq:decomplete_sup} $$ \DEXPSPACE-COMPLETE_{SUB}^{SUP}(ARG) $$
                          \bullet \ \ \texttt{NExpSpace[sub][sup][arg]} = \ \ \texttt{NExpSpace}^{\texttt{SUP}}_{\texttt{SUB}}(\texttt{Arg})
                            \NExpSpaceE[sub][sup][arg] = NEXPSPACE-EASY_{SUB}^{SUP}(ARG)
                            \NExpSpaceH[sub][sup][arg] = NEXPSPACE-HARD_{SUB}^{SUP}(ARG)
                            \label{eq:new_power_sub} $$ \NEXPSPACE-COMPLETE_{SUB}^{SUP}(ARG) $$
                          • \UExpSpace[sub][sup][arg] = UExpSpace_{SUB}^{SUP}(ARG)
                            \UExpSpaceE[sub][sup][arg] = UExpSpace-Easy_{SUB}^{SUP}(ARG)
                            \label{eq:uexpSpaceH} $$ \UExpSpaceH[sub][sup][arg] = UExpSpace-HARD_{SUB}^{SUP}(ARG) $$
                            \label{eq:uexpspaceC} $$ \UExpSpaceC[sub][sup] [arg] = UExpSpace-Complete_{SUB}^{SUP}(ARG) $$
                          • \Delta ExpSpace[sub][sup][arg] = AExpSpace_{SUB}^{SUP}(ARG)
                            \Delta ExpSpaceE[sub][sup][arg] = AEXPSPACE-EASY_{SUB}^{SUP}(ARG)
                            \Delta ExpSpaceH[sub][sup][arg] = AExpSpace-Hard_{SUB}^{SUP}(ARG)
                            \AExpSpaceC[sub][sup][arg] = AExpSpace-Complete_{Sub}^{SUP}(Arg)
                      1258 \defcomclsgrp{ExpSpace}
                      \PH
                          • \PH[sub][sup][par] = PH<sup>SUP</sup><sub>SUB</sub>[PAR]
                      1260 \defcomhrc{PH}
                          \WH
                      1261 \defcomhrc{WH}[W]
                 \AH
                          ullet \AH[sub][sup][par] = A_{SUB}^{SUP}[PAR]
```

• $AQPSpace[sub][sup][arg] = AQPSPACE_{SUB}^{SUP}(ARG)$

 $\verb|AQPSpaceE[sub][sup][arg]| = AQPSPACE-EASY_{SUB}^{SUP}(ARG)$

1262 \defcomhrc{AH}[A]

```
ullet \DLH[sub][sup][par] = \Delta_{	ext{SUB}}^{	ext{SUP}}[	ext{PAR}]
  \DLH
   \DBH
        ullet \DBH[sub][sup][par] = oldsymbol{\Delta}_{	ext{SUB}}^{	ext{SUP}}[	ext{PAR}]
      1263 \defcomhrc{DLH}[{\mth{\Delta}}]
      1264 \defcomhrc{DBH}[{\mth[mathbf]{\Delta}}]
        ullet \ELH[sub][sup][par] = \Sigma_{
m SUB}^{
m SUP}[{
m PAR}]
  \ELH
  \EBH
        ullet \EBH[sub][sup][par] = oldsymbol{\Sigma}^{	ext{SUP}}_{	ext{SUB}}[	ext{PAR}]
      1265 \defcomhrc{ELH}[{\mth{\Sigma}}]
      1266 \defcomhrc{EBH}[{\mth[mathbf]{\Sigma}}]
        ullet \ULH[sub][sup][par] = \Pi^{	ext{SUP}}_{	ext{SUB}}[	ext{PAR}]
  \ULH
  \UBH
        ullet \UBH[sub][sup][par] = oldsymbol{\Pi}^{	ext{SUP}}_{	ext{SUB}}[	ext{PAR}]
      1267 \defcomhrc{ULH}[{\mth{\Pi}}]
      1268 \defcomhrc{UBH}[{\mth[mathbf]{\Pi}}]
      1269 \fi
      1274 \ifgrp@
      \GrpName ...
   · · · 1276 \newcommand{\grpname}{G}
      1277 \usrmthlatupp{Grp}{Name}{name}[\grpname]
\VerSet ...
   ··· 1278 \newcommand{\versym}{v}
      1279 \newcommand{\verset}{V}
      1280 \cmdmthsetext{Ver}[\verset][\versym]
      1281 \cmdmthsymelm{iver}[\versym_{I}]
      1282 \cmdmthsymelm{fver}[\versym_{F}]
\EdgRel ...
      1283 \newcommand{\edgrel}{E}
      1284 \cmdmthrel{Edg}[\edgrel]
      \PthSet ...
\pthFun _{1286} \newcommand{\pthsym}{\pi}
      1287 \newcommand{\pthset}{Pth}
      1288 \cmdmthsetext{Pth} [\pthset] [\pthsym]
      1289 \usrmth{path}{}{argfun}
  \pre ...
   1291 \usrmth{suc}{}{oargfun}
      1292 \fi
      1295 %%** Macros for Games *************************
      1297 \ifgam@
```

```
\SATG ...
       · · · 1299 %% Satisfiability Games
           1300 \cmdtxtoparname{SATG}[Sat]
           1302 \ \mbox{\em \%} Validity Games
           1303 \cmdtxtoparname{VALG}[Val]
           1304
           1305 %% Evaluation Games
           1306 \cmdtxtoparname{EVLG}[Evl]
           1307
           1308 %% Synthesis Games
           1309 \cmdtxtoparname{SYNG}[Syn]
           1311 %% Model-Checking Games
           1312 \cmdtxtoparname{MCG}[MC]
           1314 %% Ehrenfeucht-Fraisse Games
           1315 \cmdtxtoparname{EFG}[EF]
           \PlrSym ...
  1318 \cmdmthsym{Plr}[\plrsym]
           1319 \newcommand{\oppsym}{A}
           1320 \cmdmthsym{Opp}[\oppsym]
\ArenaName ...
       \cdots 1321 \newcommand{\arenaname}{A}
           1322 \verb|\arena| \{ \texttt{Name} \} \{ \texttt{(Name)} \} [ \texttt{(Name)} \} [ \texttt{(Name)} \} [ \texttt{(Name)} ] ]
   \PosSet ...
       \cdots 1323 \newcommand{\possym}{v}
           1324 \newcommand{\posset}{Ps}
           1325 \cmdmthsetext{Pos}[\posset][\possym]
           1326 \cmdmthsymelm{ipos}[\possym_{I}]
           1327 \verb|\cmdmthsymelm{fpos}| [\verb|\possym_{F}|]
           1328 \verb|\cmdmthset{PPos}[\posset_{\prop}]
           1329 \cmdmthsymelm{ppos}[\possym_{\PlrSym}]
           1330 \cmdmthset{OPos}[\posset_{\OppSym}]
           1331 \cmdmthsymelm{opos}[\possym_{\OppSym}]
  \PlrFun ...
           1332 \neq \{plrfun}{pl}
           1333 \cmdmthfun{plr}[\plrfun]
   \MovRel ...
           1334 \newcommand{\movrel}{Mv}
           1335 \cmdmthrel{Mov}[\movrel]
 \GameName ...
       · · · 1336 \newcommand{\gamename}{\Game}
           1337 \usrmthlatupp{Game}{Name}{name}[\gamename]
   \WinSet ...
           1338 \newcommand{\winset}{Wn}
           1339 \cmdmthset{Win}[\winset]
   \ObsSet ...
   \obsFun _{1340} \newcommand{\obsset}{0b}
           1341 \cmdmthset{Obs}[\obsset]
           1342 \cmdmthfun{obs}
```

```
\HstSet ...
     · · · 1344 \newcommand{\hstsym}{\varpi}
        1345 \newcommand{\hstset}{Hst}
        1346 \cmdmthsetext{Hst}[\hstset][\hstsym]
        1347 \cmdmthset{PHst}[\hstset_{\PlrSym}]
        1348 \verb|\cmdmthsymelm{phst}[\hstsym_{\protect\columnwell}]
        1349 \cmdmthset{OHst}[\hstset_{\OppSym}]
        1350 \cmdmthsymelm{ohst}[\hstsym_{\cmlose}]
        1351 \usrmth{play}{}{argfun}
\PlaySet ...
\verb|\playFun $_{1352} \le mand{\pi}{\pi}{\pi}
        1353 \mbox{\playset}{Play}
        1354 \verb|\cmdmthsetext{Play}[\playset][\playsym]|
        1355 \usrmth{hst}{}{argfun}
\StrSet ...
     \cdots \ 1356 \verb|\newcommand{\strsym}{\sigma}
        1357 \newcommand{\strset}{Str}
        1358 \cmdmthsetext{Str}[\strset][\strsym]
        1359 \cmdmthset{PStr}[\strset_{\PlrSym}]
        1360 \cmdmthsymelm{pstr}[\strsym_{\PlrSym}]
        1361 \cmdmthset{OStr}[\strset_{\OppSym}]
        1362 \mbox{ } [\mbox{strsym_{\normalfont}[}]
 \PrfSet ...
 \prfFun _{1363} \newcommand{\prfsym}{\xi}
        1364 \newcommand{\prfset}{Prf}
        1365 \cmdmthsetext{Prf}[\prfset][\prfsym]
    \ent ...
    \esc _{1366} \usrmth{ent}{}{oargfun}
        1367 \usrmth{esc}{}{oargfun}
    \int ...
    \out 1368 \usrmth{int}{}{oargfun}
        1369 \usrmth{out}{}{oargfun}
    \atr ...
    \rch 1370 \usrmth{atr}{}{oargfun}
        1371 \usrmth{rch}{}{oargfun}
  \lift ...
        1372 \usrmth{lift}{}{oargfun}
    \sol ...
        1373 \usrmth{sol}{}{oargfun}
        \BG ...
     · · · 1375 %% Buchi Games
        1376 \cmdtxtoparname{BG}
        1377
        1378 %% Co-Buchi Games
        1379 \cmdtxtoparname{CG}
        1380
        1381 %% Parity Games
        1382 \cmdtxtoparname{PG}
        1384 %% Rabin Games
```

```
1385 \cmdtxtoparname{RG}
    1386
    1387 %% Streett Games
    1388 \cmdtxtoparname{SG}
    1390 %% Muller Games
    1391 \cmdtxtoparname{MG}
    \EvnSym ...
\verb|\OddSym|_{1393} \verb|\newcommand{\evnsym}{0}|
    1394 \cmdmthsym{Evn} [\evnsym]
    1395 \newcommand{\oddsym}{1}
    1396 \cmdmthsym{Odd}[\oddsym]
\PrtSet ...
\label{lem:linear_prtFun} $$ \prod_{1397} \end{\displaystyle \prod_{prtsym}_{p} } $$
    1398 \mbox{ \newcommand{\prtset}{Pr}}
    1399 \cmdmthsetext{Prt}[\prtset][\prtsym]
    1400 \cmdmthfun{prt}[pr]
    \EG ...
  · · · 1403 %% Energy Games
    1404 \cmdtxtoparname{EG}
    1406 %% Mean-Payoff Games
    1407 \cmdtxtoparname{MPG}
    1408
    1409 %% Discounted-Payoff Games
    1410 \cmdtxtoparname{DPG}
    \MaxSym ...
\label{lem:minSym} $$ 1412 \ensuremath{\maxsym}{\oplus}$
    1413 \cmdmthsym{Max}[\maxsym]
    1414 \mbox{ \newcommand{\minsym}{\boxminus}}
    1415 \cmdmthsym{Min}[\minsym]
\WghSet ...
\label{lem:lambda} $$ \wghFun_{1416} \end{\wghsym}_{w} $$
    1417 \newcommand{\wghset}{Wg}
    1418 \cmdmthsetext{Wgh} [\wghset] [\wghsym]
    1419 \cmdmthfun{wgh}[wg]
    1421 \fi
    1426 \iflog@
```

```
\BF ...
                 \QBF _{1428} % Boolean Formulae
                     · · · 1429 \cmdtxtoparname{BF}
                                          1431\ \% Quantified Boolean Formulae
                                          1432 \DeclareRobustCommand{\QBF}
                                                                     {\{\text{txtname}\{Q\}\}\setminus BF\}}
                                          1434 \DeclareRobustCommand{\EBF}
                                                                       {\ensuremath{\exists}\BF}
                                          1436 \DeclareRobustCommand{\UBF}
                                                                       {\ensuremath{\forall}\BF}
                                          \LogSig ...
                     · · · 1439 \newcommand{\logsig}{L}
                                           1440 \usrmthlatupp{Log}{Sig}{sig}[\logsig]
                     \Tt ...
                     1442 \operatorname{Tt}{sym}[\operatorname{ttsym}]
                                           1443 \mbox{ \newcommand{\ffsym}{\bot}}
                                          1444 \usrmth{Ff}{}{sym}[\ffsym]
          \LNeg ...
          \LNot _{1445} \ensuremath{\lngsym}{\lng}
                                           1446 \usrmth{LNeg}{}{luop}[\lnegsym]
                                          1447 \mbox{ } {\mbox{lnotsym}}{\mbox{sim}}
                                          1448 \usrmth{LNot}{}{luop}[\lnotsym]
          \LCon ...
          \LDis _{1449} \rightarrow _{149} \rightarrow _{1
                                           1450 \usrmth{LCon}{}{lbop}[\lconsym]
                                          1451 \mbox{ \newcommand{\ldissym}{\lor}}
                                          1452 \verb|\usrmth{LDis}{{]}{lbop}[\ldissym]}
          \LImp ...
          \verb|\LCoi|_{1453} \verb|\newcommand{\limpsym}{{\normalcolor{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color}{color
                                           1454 \usrmth{LImp}{}{lbop}[\limpsym]
                                          1455 \newcommand{\lcoisym}{\leftrightarrow}
                                          1456 \usrmth{LCoi}{}{lbop}[\lcoisym]
          \LExs ...
          \LAll _{1457} \rightarrow \{1457 \}
                                           1458 \usrmth{LExs}{}{luop}[\lexssym]
                                           1459 \newcommand{\lallsym}{\forall}
                                          1460 \usrmth{LAll}{}{luop}[\lallsym]
      \APSet ...
                      \cdots 1461 \newcommand{\apsym}{p}
                                          1462 \mbox{ newcommand{\apset}{AP}}
                                           1463 \cmdmthsetext{AP}[\apset][\apsym]
                                          1464 \usrmth{ap}{}{argfun}
                \sub ...
                                          1465 \ \mbox{usrmth} \mbox{sub}{{\mbox{argfun}}}
                \Cnt ...
                1468 \operatorname{sym}{{sym}[\odot]}
```

```
\QAE ...
  \label{eq:QEA} $$ \QEA _{1469} \left( \CAE \right) {\sym} [\forall\exists] $$
       1470 \verb|\usrmth{QEA}{{}} sym{[\exists\forall]}
\QntSet ...
   · · · 1471 \newcommand{\qntsym}{\wp}
       1472 \neq 1472 \neq 1472 
       1473 \cmdmthsetext{Qnt}[\qntset][\qntsym]
 \free ...
 \bound _{1474} \usrmth{free}{}{argfun}
       1475 \usrmth{bound}{}{argfun}
  \dep ...
  \alt _{1476} \usrmth{dep}{}{argfun}
       \cnf ...
  \dnf _{1478} \cmdtxtabr{cnf}
   ... 1479 \cmdtxtabr{dnf}
       1480 \cmdtxtabr{pnf}
       1481 \cmdtxtabr{nnf}
       \LogStr ...
   \cdots 1483 \newcommand{\logstr}{L}
       1484 \usrmthlatupp{Log}{Str}{str}[\logstr]
\ValSet ...
   · · · 1485 \newcommand{\valsym}{\xi}
       1486 \newcommand{\valset}{Val}
       1487 \cmdmthsetext{Val}[\valset][\valsym]
\AsgSet ...
   \cdots 1488 \texttt{\asgsym}{\chi}
       1489 \mbox{ \newcommand{\asgset}{Asg}}
       1490 \cmdmthsetext{Asg}[\asgset][\asgsym]
       \FOL ...
   · · · 1492 % First-Order Logic
       1493 \cmdtxtoparname{FOL}[Fol]
       1494 \cmdtxtoparname{F0}[F0]
       1496 % Monadic First-Order Logic
       1497 \DeclareRobustCommand{\MFOL}
       1498 \{\{\text{txtname}\{M\}\}\}\
       1499 \DeclareRobustCommand{\MFO}
       1500 {{\txtname{M}}\FO}
       \VarSig ...
   · · · 1502 \newcommand{\varsig}{V}
       1503 \verb|\usrmth|| atupp{\Var}{Sig}{sig}[\varsig]
       1504 \newcommand{\varsym}{x}
       1505 \newcommand{\varset}{Vr}
       1506 \cmdmthsetext{Var}[\varset][\varsym]
       1507 \usrmth{var}{}{argfun}[vr]
       1508 \usrmth{dim}{}{argfun}[dm]
```

```
\ConSig ...
    \cdots 1509 \newcommand{\consig}{C}
       1510 \verb|\usrmthlatupp{Con}{Sig}{sig}[\consig]
       1511 \neq 1511 
       1512 \mbox{newcommand{\conset}{Cn}}
       1513 \cmdmthsetext{Con}[\conset][\consym]
       1514 \usrmth{con}{}{argfun}[cn]
\FunSig ...
    · · · 1515 \newcommand{\funsig}{F}
       1516 \usrmthlatupp{Fun}{Sig}{sig}[\funsig]
       1517 \newcommand{\int funsym}{f}
       1518 \mbox{ \newcommand{\funset}{Fn}}
       1519 \cmdmthsetext{Fun} [\funset] [\funsym]
       1520 \usrmth{fun}{}{argfun}[fn]
       1521 \usrmth{art}{}{argfun}[ar]
\TerSig ...
    \cdots 1522 \newcommand{\tersig}{T}
       1523 \usrmthlatupp{Ter}{Sig}{sig}[\tersig]
       1524 \mbox{ } \mbox{newcommand{\tersym}{t}}
       1525 \newcommand{\terset}{Tr}
       1526 \cmdmthsetext{Ter}[\terset][\tersym]
       1527 \usrmth{ter}{}{argfun}
\RelSig ...
    · · · 1528 \newcommand{\relsig}{R}
       1529 \usrmthlatupp{Rel}{Sig}{sig}[\relsig]
       1530 \mbox{ } \mbox{relsym}{r}
       1531 \newcommand{\relset}{Rl}
       1532 \cmdmthsetext{Rel}[\relset][\relsym]
       1533 \usrmth{rel}{}{argfun}[rl]
   \skm ...
       1534 \usrmth{skm}{}{argfun}
       \verb|\ConStr ...
    \cdots 1536 \newcommand{\constr}{C}
       1537 \usrmthlatupp{Con}{Str}{str}[\constr]
\FunStr ...
    \cdots 1538 \newcommand{\funstr}{F}
       1539 \usrmthlatupp{Fun}{Str}{str}[\funstr]
\TerStr ...
    ··· 1540 \newcommand{\terstr}{T}
       1541 \usrmthlatupp{Ter}{Str}{str}[\terstr]
\RelStr ...
    \cdots 1542 \newcommand{\relstr}{R}
       1543 \usrmthlatupp{Rel}{Str}{str}[\relstr]
       \DF ...
    \IF 1545 % Dependence-Friendly Logic
    · · · 1546 \cmdtxtoparname{DF}
       1548 % Independence-Friendly Logic
       1549 \cmdtxtoparname{IF}
       1550
```

```
1551 % Dependence/Independence-Friendly Logic
      1552 \cmdtxtoparname{DIF}
      1553
      1554 % Dependence Logic
      1555 \cmdtxtoparname{DL}
     1556
      1557 % Team Logic
      1558 \cmdtxtoparname{TL}
      1560 % Alternating Dependence-Friendly Logic
      1561 \cmdtxtoparname{ADF}
      1563 % Alternating Independence-Friendly Logic
      1564 \cmdtxtoparname{AIF}
      1565
      1566\ \% Alternating Dependence/Independence-Friendly Logic
      1567 \cmdtxtoparname{ADIF}
      \LEExs ...
\LAAll _{1569} \rightarrow {\label{leassym}} \
      1570 \usrmth{LEExs}{}{luop}[\leexssym]
      1571 \newcommand{\laallsym}{\Pi}
      1572 \usrmth{LAA11}{}{luop}[\laallsym]
      \SOL ...
  · · · 1575 % Second-Order Logic
      1576 \cmdtxtoparname{SOL}[Sol]
      1577 \cmdtxtoparname{SO}
      1579 % Weak Second-Order Logic
      1580 \DeclareRobustCommand{\WSOL}
           {{\txtname{W}}\SOL}
      1582 \DeclareRobustCommand{\WSO}
     1583 {{\txtname{W}}\SO}
      1584
      1585 % coWeak Second-Order Logic
      1586 \DeclareRobustCommand{\coWSOL}
           {{\txtname{coW}}\SOL}
      1588 \DeclareRobustCommand{\coWSO}
      1589
           {{\txtname{coW}}\SO}
      1590
      1591 % Monadic Second-Order Logic
      1592 \DeclareRobustCommand{\MSOL}
          {{\txtname{M}}\SOL}
      1594 \DeclareRobustCommand{\MSO}
           {{\txtname{M}}\SO}
     1595
      1597 % Weak Monadic Second-Order Logic
      1598 \DeclareRobustCommand{\WMSOL}
           {{\txtname{W}}\MSOL}
      1600 \DeclareRobustCommand{\WMSO}
           {\{\text{Xtname}(W)\}\MSO}
      1601
      1603 % coWeak Monadic Second-Order Logic
      1604 \verb|\DeclareRobustCommand{\coWMSOL}|
      1605 {{\txtname{coW}}\MSOL}
```

```
1606 \DeclareRobustCommand{\coWMSO}
            {{\txtname{coW}}\MSO}
        \FVarSet ...
    · · · 1609 \newcommand{\fvarsym}{x}
        1610 \newcommand{\fvarset}{FVr}
        1611 \cmdmthsetext{FVar} [\fvarset] [\fvarsym]
\SVarSet ...
    · · · 1612 \newcommand{\svarsym}{X}
        1613 \newcommand{\svarset}{SVr}
        1614 \cmdmthsetext{SVar}[\svarset][\svarsym]
        \TL ...
    \CL _{1617}\,\% Tree Logic
    \label{eq:pl_1618} $$ \PL = 1618 \cmdtxtoparname{TL}
    ... 1619
        1620 % Weak Tree Logic
        1621 \DeclareRobustCommand{\WTL}
             {\{\text{txtname}\{W\}}\TL\}
        1622
        1623
        1624 % coWeak Tree Logic
        1625 \DeclareRobustCommand{\coWTL}
             {{\txtname{coW}}\TL}
        1627
        1628 % Monadic Tree Logic
        1629 \verb|\DeclareRobustCommand{\MTL}|
             {\{\text{txtname}\{M\}}\TL\}
        1630
        1631
        1632 % Weak Monadic Tree Logic
        1633 \DeclareRobustCommand{\WMTL}
             {{\txtname{W}}\MTL}
        1634
        1635
        1636 % coWeak Monadic Tree Logic
        1637 \DeclareRobustCommand{\coWMTL}
        1638
             {{\txtname{coW}}\MTL}
        1639
        1640 % Chain Logic
        1641 \cmdtxtoparname{CL}
        1643 % Weak Chain Logic
        1644 \DeclareRobustCommand{\WCL}
             {{\txtname{W}}\CL}
        1647 % coWeak Chain Logic
        1648 \DeclareRobustCommand{\coWCL}
             {{\txtname{coW}}\CL}
        1649
        1651 % Monadic Chain Logic
        1652 \DeclareRobustCommand{\MCL}
        1653
             {{\txtname{M}}\CL}
        1655 % Weak Monadic Chain Logic
        1656 \DeclareRobustCommand{\WMCL}
        1657
             {{\txtname{W}}\MCL}
```

1659 % coWeak Monadic Chain Logic

```
1660 \DeclareRobustCommand{\coWMCL}
              1661
                           {{\txtname{coW}}\MCL}
              1662
              1663 % Path Logic
              1664 \cmdtxtoparname{PL}
              1666 % Weak Path Logic
              1667 \DeclareRobustCommand{\WPL}
                         {\{\text{txtname}\{W\}}\PL\}
              1670 % coWeak Path Logic
              1671 \verb|\DeclareRobustCommand{\coWPL}|
                          {{\txtname{coW}}\PL}
              1674 % Monadic Path Logic
              1675 \DeclareRobustCommand{\MPL}
                          {\{\text{txtname}\{M\}}\PL\}
              1676
              1677
              1678 % Weak Monadic Path Logic
              1679 \DeclareRobustCommand{\WMPL}
                           {{\txtname{W}}\MPL}
              1682 % coWeak Monadic Path Logic
              1683 \DeclareRobustCommand{\coWMPL}
                         {{\txtname{coW}}\MPL}
              \ML ...
  \GML _{1688} % Modal Logic
     · · · 1689 \cmdtxtoparname{ML}
              1691 % Graded Modal Logic
              1692 \DeclareRobustCommand{\GML}
                           {\{\text{txtname}\{G\}\}\setminus ML\}}
             1693
              1694
              1695 % Quantified Modal Logic
              1696 \DeclareRobustCommand{\QML}
                           {{\txtname{Q}}\ML}
              1698 \DeclareRobustCommand{\EML}
                           {\ensuremath{\exists}\ML}
              1700 \DeclareRobustCommand{\UML}
                         {\ensuremath{\forall}\ML}
              \Opr ...
              1703 \usrmth{Opr}{}{sym}[Op]
\DMod ...
\label{local_bound_problem} $$\BMod_{1704} \ \BMod_{1704} \\\ \BMod_{1704} \
              1705 \usrmth{BMod}{}{sym}[\Box]
  \Exs ...
  \All _{1706} \DeclareRobustCommand{\Exs}
              1707 {\ifstarvar{\@sexs}{\@exs}}
              1708 \DeclareRobustCommand{\@sexs}[1]
              1709 {\mth{\DMod}[#1]}
```

```
1710 \DeclareRobustCommand{\@exs}[1]
             {\mth{\defval{\argmid{\langle}{#1}{\rangle}}}}
       1712 \DeclareRobustCommand{\All}
       1713 {\ifstarvar{\@sall}{\@all}}
       1714 \DeclareRobustCommand{\@sall}[1]
       1715 {\mth{\BMod}[#1]}
       1716 \DeclareRobustCommand{\@all}[1]
            {\mth{\defval{\argmid{\left[}{#1}{\right]}}{\BMod}}}
       \KrpStr ...
    ··· 1719 \newcommand{\krpstr}{K}
       1720 \usrmthlatupp{Krp}{Str}{str}[\krpstr]
\WrlSet ...
    \cdots 1721 \newcommand{\wrlsym}{w}
       1722 \newcommand{\wrlset}{W}
       1723 \cmdmthsetext{Wrl}[\wrlset][\wrlsym]
       1724 \cmdmthsymelm{iwrl}[\wrlsym_{I}]
\AccRel ...
\verb| TrnRel |_{1725} \verb| newcommand{\accsym}{R}|
       1726 \cmdmthrel{Acc}[\accsym]
       1727 \cmdmthrel{Trn}[\accsym]
\labFun ...
        1728 \mbox{ \newcommand{\labsym}{\labsym}{\labsym}}
       1729 \cmdmthfun{lab}[\labsym]
\PthSet ...
    · · · 1730 \providecommand{\pthsym}{\pi}
        1731 \providecommand{\pthset}{Pth}
       1732 \cmdmthsetext{Pth} [\pthset] [\pthsym]
       1733 \usrmth{path}{}{argfun}
       \MC ...
   \GMC _{1735} % Mu Calculus
    · · · 1736 \cmdtxtoparname{MC}[\ensuremath{\mu}-Calculus]
       1738 % Graded Mu Calculus
       1739 \DeclareRobustCommand{\GMC}
            {\{\text{txtname}\{G\}\}\setminus MC\}}
       1740
       1741
       1742 % Quantified Mu Calculus
       1743 \DeclareRobustCommand{\QMC}
       1744 {{\txtname{Q}}\MC}
       1745 \DeclareRobustCommand{\EMC}
       1746 {\ensuremath{\exists}\MC}
       1747 \DeclareRobustCommand{\UMC}
             {\ensuremath{\forall}\MC}
       1749
       1750 % Alternation-Free Mu Calculus
       1751 \DeclareRobustCommand{\AFMC}
             {{\txtname{AF}}\MC}
       1752
       1753
       1754 % Alternation-Free Graded Mu Calculus
       1755 \DeclareRobustCommand{\AFGMC}
             {{\txtname{AF}}\GMC}
       1756
       1757
       1758 % Quantified Alternation-Free Mu Calculus
       1759 \DeclareRobustCommand{\QAFMC}
```

```
{\{\text{txtname}\{Q\}\}\setminus AFMC\}}
   1761 \DeclareRobustCommand{\EAFMC}
   1762 {\ensuremath{\exists}\AFMC}
   1763 \DeclareRobustCommand{\UAFMC}
       {\ensuremath{\forall}\AFMC}
   1764
   1765
   \PTL ...
\LTL _{1769}\,\% Propositional Temporal Logic
· · · 1770 \cmdtxtoparname{PTL}
   1771
   1772 % Quantified Propositional Temporal Logic
   1773 \DeclareRobustCommand{\QPTL}
   1774 {{\txtname{Q}}\PTL}
   1775 \DeclareRobustCommand{\EPTL}
       {\ensuremath{\exists}\PTL}
   1777 \DeclareRobustCommand{\UPTL}
       {\ensuremath{\forall}\PTL}
   1780 % Linear Temporal Logic
   1781 \cmdtxtoparname{LTL}
   1783 % Quantified Linear Temporal Logic
   1784 \DeclareRobustCommand{\QLTL}
   1785 \{\{\text{txtname}\{Q\}\}\}\LTL\}
   1786 \DeclareRobustCommand{\ELTL}
   1787 {\ensuremath{\exists}\LTL}
   1788 \DeclareRobustCommand{\ULTL}
       {\ensuremath{\forall}\LTL}
   \X ...
· · · 1791 \usrmth{X}{}{sym}[X\,]
   1792 \operatorname{ff}{F}{sym}[F\,]
   1793 \usrmth{G}{}{sym}[G\,]
   1794 \usrmth{U}{sym}[\,U\,]
   1795 \usrmth{R}{}{sym}[\,R\,]
 \Y ...
· · · 1796 \usrmth{Y}{}{sym}[G\,]
   1797 \usrmth{P}{}{sym}[P\,]\let\SavePilcrow\P
   1798 \mbox{usrmth}{H}{sym}[H\,]\left(\mbox{let}\
   1799 \space{1}{sym}[\,S\,]\let\space{1}{symbol}S
   1800 \usrmth{B}{}{sym}[\,B\,]
   \PDL ...
\CTL 1803 % Propositional Dynamic Logic
... 1804 \cmdtxtoparname{PDL}
   1806 % Computation Tree Logic
    1807 \cmdtxtoparname{CTL}
```

```
1808
    1809 % Weak Computation Tree Logic
    1810 \DeclareRobustCommand{\WCTL}
         {{\txtname{W}}\CTL}
    1811
    1812
    1813 % Quantified Computation Tree Logic
    1814 \DeclareRobustCommand{\QCTL}
        {\{\text{txtname}\{Q\}\}\CTL}
    1816 \DeclareRobustCommand{\ECTL}
         {\ensuremath{\exists}\CTL}
    1818 \DeclareRobustCommand{\UCTL}
         {\ensuremath{\forall}\CTL}
    1820
    1821\;\mbox{\ensuremath{\%}} 
 Improved Computation Tree Logic
    1822 \cmdtxtoparname{CTLP}[CTL$^{+}$]
    1824 % Weak Improved Computation Tree Logic
    1825 \DeclareRobustCommand{\WCTLP}
         {{\txtname{W}}\CTLP}
    1826
    1828 % Quantified Improved Computation Tree Logic
    1829 \DeclareRobustCommand{\QCTLP}
    1830
         {{\txtname{Q}}\CTLP}
    1831 \DeclareRobustCommand{\ECTLP}
         {\ensuremath{\exists}\CTLP}
    1833 \DeclareRobustCommand{\UCTLP}
         {\ensuremath{\forall}\CTLP}
    1834
    1835
    1836 % Full Computation Tree Logic
    1837 \cmdtxtoparname{CTLS}[CTL*]
    1839 % Weak Full Computation Tree Logic
    1840 \DeclareRobustCommand{\WCTLS}
         {{\txtname{W}}\CTLS}
    1841
    1842
    1843 % Quantified Full Computation Tree Logic
    1844 \DeclareRobustCommand{\QCTLS}
         {{\txtname{Q}}\CTLS}
    1846 \DeclareRobustCommand{\ECTLS}
         {\ensuremath{\exists}\CTLS}
    1848 \DeclareRobustCommand{\UCTLS}
         {\ensuremath{\forall}\CTLS}
    \E ...
 \A _{1851} \sym{E}{{\S}}
    1852 \usrmth{A}{}{sym}
    \ATL ...
 \cdots 1855 % Alternating Temporal Logic
    1856 \cmdtxtoparname{ATL}
    1858 % Weak Alternating Tree Logic
    1859 \DeclareRobustCommand{\WATL}
         {{\txtname{W}}\ATL}
    1862 % Quantified Alternating Temporal Logic
    1863 \DeclareRobustCommand{\QATL}
        {\{\text{txtname}\{Q\}\}\setminus ATL\}}
```

```
1865 \DeclareRobustCommand{\EATL}
                           {\ensuremath{\exists}\ATL}
                1867 \DeclareRobustCommand{\UATL}
                           {\ensuremath{\forall}\ATL}
                1868
                1869
                1870 % Improved Alternating Temporal Logic
                1871 \cmdtxtoparname{ATLP}[ATL$^{+}$]
                1873 % Weak Improved Alternating Tree Logic
                1874 \DeclareRobustCommand{\WATLP}
                            {{\txtname{W}}\ATLP}
                1877 % Quantified Improved Alternating Temporal Logic
                1878 \DeclareRobustCommand{\QATLP}
                            {{\txtname{Q}}\ATLP}
                1880 \DeclareRobustCommand{\EATLP}
                            {\ensuremath{\exists}\ATLP}
                1882 \DeclareRobustCommand{\UATLP}
                1883
                            {\ensuremath{\forall}\ATLP}
                1885 % Full Alternating Temporal Logic
                1886 \cmdtxtoparname{ATLS}[ATL*]
                1887
                1888 % Weak Full Alternating Tree Logic
                1889 \DeclareRobustCommand{\WATLS}
                            {{\txtname{W}}\ATLS}
                1891
                1892 % Quantified Full Alternating Temporal Logic
                1893 \DeclareRobustCommand{\QATLS}
                1894 {\{\text{txtname}\{Q\}\}\setminus ATLS\}}
                1895 \DeclareRobustCommand{\EATLS}
                          {\ensuremath{\exists}\ATLS}
                1897 \DeclareRobustCommand{\UATLS}
                           {\ensuremath{\forall}\ATLS}
                \EExs ...
    \verb|\AAll 1900 \end{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\
                            {\mth{\argmid{\langle\!\langle}{\defval{#1}{\emptyset}}}{\rangle\!\rangle}}}
                1902 \DeclareRobustCommand{\AAll}[1]
                           {\mth{\argmid{\left[\left[\}{\defval{#1}}{\right]\right]\}}
                \CGS ...
                1905 \cmdtxtname{CGS}
\CGSStr ...
        ··· 1906 \newcommand{\cgsstr}{G}
                1907 \usrmthlatupp{CGS}{Str}{str}[\cgsstr]
\AgnSet ...
        \cdots 1908 \newcommand{\agnsym}{a}
                1909 \newcommand{\agnset}{Ag}
                1910 \cmdmthsetext{Agn}[\agnset][\agnsym]
\ActSet ...
        \cdots 1911 \newcommand{\actsym}{c}
                1912 \newcommand{\actset}{Ac}
                1913 \cmdmthsetext{Act}[\actset][\actsym]
\PosSet ...
        ··· 1914 \providecommand{\possym}{v}
```

```
1915 \providecommand{\posset}{Ps}
          1916 \cmdmthsetext{Pos}[\posset][\possym]
         1917 \cmdmthsymelm{ipos}[\possym_{I}]
         1918 \cmdmthsymelm{fpos}[\possym_{F}]
         1919 \cmdmthset{PPos}[\posset_{\PlrSym}]
         1920 \verb|\cmdmthsymelm{ppos}[\possym_{\PlrSym}]|
          1921 \cmdmthset{OPos}[\posset_{\OppSym}]
         1922 \cmdmthsymelm{opos}[\possym_{\OppSym}]
 \SttSet ...
     \cdots 1923 \newcommand{\sttsym}{s}
         1924 \verb|\newcommand{\sttset}{St}|
         1925 \cmdmthsetext{Stt}[\sttset][\sttsym]
         1926 \cmdmthset{IStt}[\sttset_{I}]
         1927 \cmdmthsymelm{istt}[\sttsym_{I}]
          1928 \cmdmthset{FStt}[\sttset_{F}]
          1929 \cmdmthsymelm{fstt}[\sttsym_{F}]
 \DecSet ...
     \cdots 1930 \newcommand{\decsym}{d}
         1931 \newcommand{\decset}{Dc}
         1932 \cmdmthsetext{Dec} [\decset] [\decsym]
 \movFun ...
 \verb|\movRel| 1933 \verb|\newcommand{\movsym}{{\tt tau}}|
         1934 \cmdmthfun{mov}[\movsym]
         1935 \cmdmthrel{mov}[\movsym]
 \trnFun ...
 \verb|\trnRel| 1936 \verb|\newcommand{\trnsym}{\delta}|
          1937 \cmdmthfun{trn}[\trnsym]
         1938 \cmdmthrel{trn}[\trnsym]
 \PrfSet ...
          1939 \providecommand{\prfsym}{\xi}
          1940 \providecommand{\prfset}{Prf}
         1941 \cmdmthsetext{Prf}[\prfset][\prfsym]
 \HstSet ...
     · · · 1942 \providecommand{\hstsym}{\varpi}
          1943 \providecommand{\hstset}{Hst}
          1944 \cmdmthsetext{Hst}[\hstset][\hstsym]
          1945 \cmdmthset{PHst}[\hstset_{\PlrSym}]
          1946 \cmdmthsymelm{phst}[\hstsym_{\PlrSym}]
          1947 \cmdmthset{OHst}[\hstset_{\OppSym}]
         1948 \verb|\cmdmthsymelm{ohst}[\hstsym_{\colored}]|
         1949 \mbox{ } \mbox{argfun} 
\PlaySet ...
     ··· 1950 \providecommand{\playsym}{\pi}
          1951 \providecommand{\playset}{Play}
          1952 \cmdmthsetext{Play}[\playset][\playsym]
         1953 \usrmth{play}{}{argfun}
 \PlnSet ...
     ··· 1954 \providecommand{\plnsym}{\rho}
          1955 \providecommand{\plnset}{Pln}
          1956 \cmdmthsetext{Pln}[\plnset][\plnsym]
          1957 \cmdmthset{PPln}[\plnset_{\PlrSym}]
          1958 \cmdmthsymelm{pPln}[\plnsym_{\PlrSym}]
          1959 \cmdmthset{OPln}[\plnset_{\OppSym}]
          1960 \cmdmthsymelm{oPln}[\plnsym_{\OppSym}]
```

```
\StrSet ...
    ··· 1961 \providecommand{\strsym}{\sigma}
        1962 \providecommand{\strset}{Str}
       1963 \cmdmthsetext{Str}[\strset][\strsym]
       1964 \cmdmthset{PStr}[\strset_{\PlrSym}]
       1965 \verb|\cmdmthsymelm{pstr}[\strsym_{\prox m}]|
       1966 \cmdmthset{OStr}[\strset_{\OppSym}]
       1967 \verb|\cmdmthsymelm{ostr}[\strsym_{\colored}]|
       \PL ...
    · · · 1969 % Plan Logic
       1970 \cmdtxtoparname{PL}
       1971
       1972 \DeclareRobustCommand{\EPL}
             {\ensuremath{\exists}\PL}
       1974 \DeclareRobustCommand{\UPL}
       1975
             {\ensuremath{\forall}\PL}
       1976
       1977 \DeclareRobustCommand{\FPL}
             {\{\text{txtname}\{F\}}\PL\}
       1978
       1979
       1980 \DeclareRobustCommand{\EFPL}
             {\ensuremath{\exists}\FPL}
       1982 \DeclareRobustCommand{\UFPL}
             {\ensuremath{\forall}\FPL}
       1983
       1985 % One-Goal Plan Logic
       1986 \DeclareRobustCommandx{\OGPL}[3][1=, 2=, 3=]
             {\PL[#1][#2][1g\arglef{,}{#3}]}
       1987
       1988
       1989 \DeclareRobustCommand{\EOGPL}
             {\ensuremath{\exists}\OGPL}
       1991 \DeclareRobustCommand{\UOGPL}
             {\ensuremath{\forall}\OGPL}
       1992
       1994 \DeclareRobustCommand{\FOGPL}
             {{\txtname{F}}\OGPL}
       1997 \DeclareRobustCommand{\EFOGPL}
             {\ensuremath{\exists}\FOGPL}
       1999 \DeclareRobustCommand{\UFOGPL}
             {\ensuremath{\forall}\FOGPL}
       2000
       2002 % Conjunctive-Goal Plan Logic
       2003 \DeclareRobustCommandx{\CGPL}[3][1=, 2=, 3=]
             {\PL[#1][#2][cg\arglef{,}{#3}]}
       2005
       2006 \DeclareRobustCommand{\ECGPL}
             {\ensuremath{\exists}\CGPL}
       2008 \DeclareRobustCommand{\UCGPL}
       2009
             {\ensuremath{\forall}\CGPL}
       2010
       2011 \DeclareRobustCommand{\FCGPL}
             {{\txtname{F}}\CGPL}
       2012
       2013
       2014 \DeclareRobustCommand{\EFCGPL}
             {\ensuremath{\exists}\FCGPL}
       2016 \DeclareRobustCommand{\UFCGPL}
       2017
             {\ensuremath{\forall}\FCGPL}
       2018
       2019 % Disjunctive-Goal Plan Logic
```

2020 \DeclareRobustCommandx{\DGPL}[3][1=, 2=, 3=]

```
2021
      {\PL[#1][#2][dg\arglef{,}{#3}]}
2022
2023 \DeclareRobustCommand{\EDGPL}
2024
     {\ensuremath{\exists}\DGPL}
2025 \DeclareRobustCommand{\UDGPL}
      {\ensuremath{\forall}\DGPL}
2026
2027
2028 \DeclareRobustCommand{\FDGPL}
      {{\txtname{F}}\DGPL}
2031 \DeclareRobustCommand{\EFDGPL}
      {\ensuremath{\exists}\FDGPL}
2033 \DeclareRobustCommand{\UFDGPL}
      {\ensuremath{\forall}\FDGPL}
2034
2035
2036 % Alternating-Goal Plan Logic
2037 \DeclareRobustCommandx{\AGPL}[3][1=, 2=, 3=]
      {\PL[#1][#2][ag\arglef{,}{#3}]}
2039
2040 \DeclareRobustCommand{\EAGPL}
      {\ensuremath{\exists}\AGPL}
2042 \DeclareRobustCommand{\UAGPL}
2043
      {\ensuremath{\forall}\AGPL}
2044
2045 \DeclareRobustCommand{\FAGPL}
      {\{\text{txtname}\{F\}\}\setminus AGPL}
2046
2047
2048 \DeclareRobustCommand{\EFAGPL}
      {\ensuremath{\exists}\FAGPL}
2050 \DeclareRobustCommand{\UFAGPL}
      {\ensuremath{\forall}\FAGPL}
2051
2053 % Extended-Goal Plan Logic
2054 \DeclareRobustCommandx{\EGPL}[3][1=, 2=, 3=]
2055
      {\PL[#1][#2][eg\arglef{,}{#3}]}
2056
2057 \DeclareRobustCommand{\EEGPL}
      {\ensuremath{\exists}\EGPL}
2059 \DeclareRobustCommand{\UEGPL}
      {\ensuremath{\forall}\EGPL}
2062 \DeclareRobustCommand{\FEGPL}
2063
      {\{\text{txtname}\{F\}\}\setminus EGPL\}}
2064
2065 \DeclareRobustCommand{\EFEGPL}
     {\ensuremath{\exists}\FEGPL}
2067 \DeclareRobustCommand{\UFEGPL}
     {\ensuremath{\forall}\FEGPL}
2070 % Boolean-Goal Plan Logic
2071 \DeclareRobustCommandx{\BGPL}[3][1=, 2=, 3=]
      {\PL[#1][#2][bg\arglef{,}{#3}]}
2074 \DeclareRobustCommand{\EBGPL}
      {\ensuremath{\exists}\BGPL}
2076 \DeclareRobustCommand{\UBGPL}
2077
      {\ensuremath{\forall}\BGPL}
2078
2079 \DeclareRobustCommand{\FBGPL}
      {{\txtname{F}}\BGPL}
2080
2081
2082 \DeclareRobustCommand{\EFBGPL}
     {\ensuremath{\exists}\FBGPL}
```

```
2084 \DeclareRobustCommand{\UFBGPL}
    2085
          {\ensuremath{\forall}\FBGPL}
    2086
    2087 \% Undefined-Goal Plan Logic
    2088 \DeclareRobustCommandx{\XGPL}[3][1=, 2=, 3=]
          {\PL[#1][#2][xg\arglef{,}{#3}]}
    2089
    2090
    2091 \DeclareRobustCommand{\EXGPL}
    2092 {\ensuremath{\exists}\XGPL}
    2093 \DeclareRobustCommand{\UXGPL}
          {\ensuremath{\forall}\XGPL}
    2095
    2096 \DeclareRobustCommand{\FXGPL}
         {\{\text{txtname}\{F\}\}\setminus XGPL\}}
    2097
    2098
    2099 \DeclareRobustCommand{\EFXGPL}
         {\ensuremath{\exists}\FXGPL}
    2101 \DeclareRobustCommand{\UFXGPL}
         {\ensuremath{\forall}\FXGPL}
\SL ...
\cdots 2103 % Strategy Logic
    2104 \cmdtxtoparname{SL}
    2105
    2106 \DeclareRobustCommand{\ESL}
         {\ensuremath{\exists}\SL}
    2107
    2108 \DeclareRobustCommand{\USL}
         {\ensuremath{\forall}\SL}
    2110
    2111 \DeclareRobustCommand{\FSL}
    2112
          {\{\text{txtname}\{F\}\}\SL\}}
    2114 \DeclareRobustCommand{\EFSL}
         {\ensuremath{\exists}\FSL}
    2116 \DeclareRobustCommand{\UFSL}
         {\ensuremath{\forall}\FSL}
    2117
    2118
    2119 % One-Goal Strategy Logic
    2120 \DeclareRobustCommandx{\OGSL}[3][1=, 2=, 3=]
          {\SL[#1][#2][1g\arglef{,}{#3}]}
    2122
    2123 \DeclareRobustCommand{\EOGSL}
         {\ensuremath{\exists}\OGSL}
    2125 \DeclareRobustCommand{\UOGSL}
         {\ensuremath{\forall}\OGSL}
    2126
    2127
    2128 \DeclareRobustCommand{\FOGSL}
         {{\txtname{F}}\OGSL}
    2129
    2130
    2131 \DeclareRobustCommand{\EFOGSL}
    2132 {\ensuremath{\exists}\FOGSL}
    2133 \DeclareRobustCommand{\UFOGSL}
          {\ensuremath{\forall}\FOGSL}
    2135
    2136 \% Conjunctive-Goal Strategy Logic
    2137 \DeclareRobustCommandx{\CGSL}[3][1=, 2=, 3=]
          {\SL[#1][#2][cg\arglef{,}{#3}]}
    2138
    2139
    2140 \DeclareRobustCommand{\ECGSL}
          {\ensuremath{\exists}\CGSL}
    2142 \DeclareRobustCommand{\UCGSL}
          {\ensuremath{\forall}\CGSL}
    2145 \DeclareRobustCommand{\FCGSL}
```

```
2146
      {{\txtname{F}}\CGSL}
2147
2148 \DeclareRobustCommand{\EFCGSL}
2149
     {\ensuremath{\exists}\FCGSL}
2150 \DeclareRobustCommand{\UFCGSL}
      {\ensuremath{\forall}\FCGSL}
2151
2152
2153 % Disjunctive-Goal Strategy Logic
2154 \DeclareRobustCommandx{\DGSL}[3][1=, 2=, 3=]
      {\SL[#1][#2][dg\arglef{,}{#3}]}
2156
2157 \DeclareRobustCommand{\EDGSL}
     {\ensuremath{\exists}\DGSL}
2159 \DeclareRobustCommand{\UDGSL}
     {\ensuremath{\forall}\DGSL}
2160
2161
2162 \DeclareRobustCommand{\FDGSL}
     {{\txtname{F}}\DGSL}
2163
2164
2165 \DeclareRobustCommand{\EFDGSL}
     {\ensuremath{\exists}\FDGSL}
2167 \DeclareRobustCommand{\UFDGSL}
2168
      {\ensuremath{\forall}\FDGSL}
2169
2170 % Alternating-Goal Strategy Logic
2171 \DeclareRobustCommandx{\AGSL}[3][1=, 2=, 3=]
2172
      {\SL[#1][#2][ag\arglef{,}{#3}]}
2173
2174 \DeclareRobustCommand{\EAGSL}
      {\ensuremath{\exists}\AGSL}
2176 \DeclareRobustCommand{\UAGSL}
      {\ensuremath{\forall}\AGSL}
2179 \DeclareRobustCommand{\FAGSL}
     {\{\text{txtname}\{F\}\}\setminus AGSL\}}
2180
2181
2182 \DeclareRobustCommand{\EFAGSL}
     {\ensuremath{\exists}\FAGSL}
2184 \DeclareRobustCommand{\UFAGSL}
      {\ensuremath{\forall}\FAGSL}
2187 % Extended-Goal Strategy Logic
2188 \DeclareRobustCommandx{\EGSL}[3][1=, 2=, 3=]
     {\SL[#1][#2][eg\arglef{,}{#3}]}
2190
2191 \DeclareRobustCommand{\EEGSL}
     {\ensuremath{\exists}\EGSL}
2192
2193 \DeclareRobustCommand{\UEGSL}
     {\ensuremath{\forall}\EGSL}
2194
2195
2196 \DeclareRobustCommand{\FEGSL}
      {{\txtname{F}}\EGSL}
2199 \DeclareRobustCommand{\EFEGSL}
     {\ensuremath{\exists}\FEGSL}
2201 \DeclareRobustCommand{\UFEGSL}
2202
      {\ensuremath{\forall}\FEGSL}
2203
2204 % Boolean-Goal Strategy Logic
2205 \DeclareRobustCommandx{\BGSL}[3][1=, 2=, 3=]
2206
      {\SL[#1][#2][bg\arglef{,}{#3}]}
2207
2208 \DeclareRobustCommand{\EBGSL}
```

```
{\ensuremath{\exists}\BGSL}
       2210 \DeclareRobustCommand{\UBGSL}
       2211
           {\ensuremath{\forall}\BGSL}
       2212
       2213 \DeclareRobustCommand{\FBGSL}
           {\{\text{txtname}\{F\}\}\setminus BGSL\}}
       2214
       2215
       2216 \DeclareRobustCommand{\EFBGSL}
       2217 {\ensuremath{\exists}\FBGSL}
       2218 \DeclareRobustCommand{\UFBGSL}
            {\ensuremath{\forall}\FBGSL}
       2221 % Nested-Goal Strategy Logic
       2222 \DeclareRobustCommandx{\NGSL}[3][1=, 2=, 3=]
            {\SL[#1][#2][ng\arglef{,}{#3}]}
       2224
       2225 \DeclareRobustCommand{\ENGSL}
            {\ensuremath{\exists}\NGSL}
       2226
       2227 \DeclareRobustCommand{\UNGSL}
            {\ensuremath{\forall}\NGSL}
       2229
       2230 \DeclareRobustCommand{\FNGSL}
       2231
            {{\txtname{F}}\NGSL}
       2232
       2233 \DeclareRobustCommand{\EFNGSL}
            {\ensuremath{\exists}\FNGSL}
       2234
       2235 \DeclareRobustCommand{\UFNGSL}
           {\ensuremath{\forall}\FNGSL}
       2237
       2238 % Undefined-Goal Strategy Logic
       2239 \DeclareRobustCommandx{\XGSL}[3][1=, 2=, 3=]
            {\SL[#1][#2][xg\arglef{,}{#3}]}
       2241
       2242 \DeclareRobustCommand{\EXGSL}
       2243 {\ensuremath{\exists}\XGSL}
       2244 \DeclareRobustCommand{\UXGSL}
            {\ensuremath{\forall}\XGSL}
       2245
       2246
       2247 \DeclareRobustCommand{\FXGSL}
            {\{\text{txtname}\{F\}\}\setminus XGSL\}}
       2248
       2250 \DeclareRobustCommand{\EFXGSL}
           {\ensuremath{\exists}\FXGSL}
       2252 \DeclareRobustCommand{\UFXGSL}
       2253 {\ensuremath{\forall}\FXGSL}
       \BndSet ...
   · · · 2255 \newcommand{\bndsym}{\flat}
       2256 \newcommand{\bndset}{Bn}
       2257 \cmdmthsetext{Bnd} [\bndset] [\bndsym]
       2258 \cmdmthsymelm{idbnd}[\bndsym_{\text{id}}]
       2259 \usrmth{bnd}{}{argfun}
  \psn ...
       2260 \usrmth{psn}{}{argfun}
       \nxt ...
       2262 \operatorname{nxth{nxt}{}}{ argfun}
```

```
2268 \ifaut@
                                      \DFA ...
                     2272 \verb|\cmdtxtoparname{NWA}\cmdtxtoparname{UWA}\cmdtxtoparname{AWA}|
                                     2274 \verb|\cmdtxtoparname{DFW}\\ cmdtxtoparname{UFW}\\ cmdtxtoparname{UFW}\\ cmdtxtoparname{AFW}\\ 
                                     2275 \cmdtxtoparname{DWW}\cmdtxtoparname{AWW}
                                     2276 \cmdtxtoparname{DBW}\cmdtxtoparname{NBW}\cmdtxtoparname{UBW}\cmdtxtoparname{ABW}
                                     2277 \cmdtxtoparname{DCW}\cmdtxtoparname{UCW}\cmdtxtoparname{ACW}
                                     2278 \verb|\cmdtxtoparname{NPW}| cmdtxtoparname{MPW}| cmdtxtoparname{MPW}|
                                     2279 \verb|\cmdtxtoparname{NRW}| cmdtxtoparname{URW}| cmdtxtoparname{ARW}| cmdtxtoparname{ARW}|
                                      2280 \verb|\cmdtxtoparname{NSW}| cmdtxtoparname{USW}\\ cmdtxtoparname{ASW}| cmdtxtoparname{ASW}|
                                     2281 \verb|\cmdtxtoparname{DMW}\cmdtxtoparname{MW}| cmdtxtoparname{MW}| cmdtxtoparname{AMW}| cm
                 \GFG ...
                     ··· 2282 \cmdtxtoparname{GFG}
                                     2284 \cmdtxtoparname{PD}
                                     2285 \cmdtxtoparname{PN}
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                                     2287 \cmdtxtoparname{LD}
                                     2288 \verb|\cmdtxtoparname{LN}|
                                      \AutName ...
                     \cdots 2290 \newcommand{\autname}{A}
                                      2291 \usrmthlatupp{Aut}{Name}{name}[\autname]
                                      2292 \newcommand{\autset}{Aut}
                                      2293 \cmdmthset{Aut}[\autset]
\WAutSet ...
                                      2294 \newcommand{\wautset}{WAut}
                                     2295 \cmdmthset{WAut}[\wautset]
    \SymSet ...
                     · · · 2296 \newcommand{\symsym}{\sigma}
                                      2297 \newcommand{\symset}{\Sigma}
                                      2298 \cmdmthsetext{Sym}[\symset][\symsym]
    \SttSet ...
                     ··· 2299 \providecommand{\sttsym}{q}
                                      2300 \providecommand{\sttset}{Q}
                                      2301 \cmdmthsetext{Stt}[\sttset][\sttsym]
                                      2302 \mbox{cmdmthset{IStt}[\sttset_{I}]}
                                      2303 \cmdmthsymelm{istt}[\sttsym_{I}]
                                      2304 \cmdmthset{FStt}[\sttset_{F}]
                                      2305 \cmdmthsymelm{fstt}[\sttsym_{F}]
    \trnFun ...
    \trnRel 2306 \providecommand{\trnsym}{\delta}
                                      2307 \cmdmthfun{trn}[\trnsym]
                                      2308 \cmdmthrel{trn}[\trnsym]
```

```
\WrdSet ...
             ··· 2310 \newcommand{\wrdsym}{w}
                       2311 \newcommand{\wrdset}{Wr}
                       2312 \cmdmthsetext{Wrd} [\wrdset] [\wrdsym]
        \Lang ...
                       2313 \usrmth{Lang}{}{argfun}[L]
                       \DTA ...
             \cdots \ 2315 \ \texttt{Cmdtxtoparname} \{ \texttt{DTA} \} \ \texttt{Cmdtxtoparname} \{ \texttt{NTA} \} \ \texttt{Cmdtxtoparname} \{ \texttt{ATA} \} \ \texttt{Cmdtxtoparname} 
                       2317 \verb|\cmdtxtoparname{DFT}\cmdtxtoparname{AFT}| \\
                       2318 \cmdtxtoparname{DWT}\cmdtxtoparname{AWT}
                       2319 \verb|\cmdtxtoparname{DBT}\cmdtxtoparname{ABT}| \\
                       2320 \verb|\cmdtxtoparname{DCT}\cmdtxtoparname{ACT}| \\
                       2321 \cmdtxtoparname{DPT}\cmdtxtoparname{MPT}\cmdtxtoparname{MPT}\cmdtxtoparname{APT}
                       2322 \verb|\cmdtxtoparname{NRT}| cmdtxtoparname{URT}| cmdtxtoparname{ART}| cmdtxtoparname{ART}|
                       2323 \verb|\cmdtxtoparname{DST}\cmdtxtoparname{AST}| \\
                       2324 \verb|\cmdtxtoparname{NMT}\cmdtxtoparname{UMT}\cmdtxtoparname{AMT}|
                       \TAutSet ...
                       2326 \newcommand{\tautset}{TAut}
                       2327 \cmdmthset{TAut}[\tautset]
  \DirSet ...
             ··· 2328 \newcommand{\dirsym}{d}
                       2329 \newcommand{\dirset}{\Lambda}
                       2330 \cmdmthsetext{Dir}[\dirset][\dirsym]
                       \TreeSet ...
              ··· 2332 \newcommand{\treesym}{T}
                        2333 \newcommand{\treeset}{Tr}
                       2334 \cmdmthsetext{Tree} [\treeset] [\treesym]
          \wot. ...
                       2335 \usrmth{wot}{}{argfun}
                       2336 \fi
                       2341 \iffrm@
                       2342 \RequirePackage{multicol}
                       2343 %%...
                       2344 \fi
                       2349 \iffig@
                       2350 \RequirePackage{tikz}
                       2351 \usetikzlibrary{calc,arrows,shapes,patterns,graphs,matrix}
```

```
2353 [draw = none, fill = none, black, thin]
      2354 \tikzstyle{every edge} +=
      2355 [black, thick]
      2356 \tikzstyle{noall} =
      2357 [draw = none, fill = none]
      2358 \tikzstyle{nodraw} =
      2359 [draw = none, fill = white]
      2360 \tikzstyle{nofill} =
      2361 [draw = black, fill = none]
      2362 \ifwrpfig@
      2363 % Wrapfig Package
          \RequirePackage{wrapfig}
      2364
      2365 \fi
      2366 \fi
      2371 \iftab@
    2372 %%...
      2373 \fi
      2378 \ifalg@
      2379 \RequirePackage[ruled,vlined]{algorithm2e}
      2380 \DontPrintSemicolon
      2381 \SetInd{0.25em}{0.5em}
      2382 \setlength{\algomargin}{1.25em}
\Signature ...
      2383 \SetKw{Signature}{signature}
  \Macro ...
\Function _{2384} \ \text{SetKwFor}\{Macro}\{macro\}\{\}\}
\Procedure 2385 \SetKwFor{Function}{function}{}}
      2386 \SetKwFor{Procedure}{procedure}{}{
   \Let ...
      2387 \SetKwFor{Let}{let}{in}{}
   \True ...
  \False _{2388} \SetKw{True}{true}
      2389 \SetKw{False}{false}
   \From ...
    \To 2390 \SetKw{From}{from}
  \DownTo 2391 \SetKw{To}{to}
      2392 \SetKw{DownTo}{downto}
   \GoTo ...
  \Break 2393 \SetKw{GoTo}{goto}
\Continue 2394 \SetKw{Break}{break}
      2395 \SetKw{Continue}{continue}
```

2352 \tikzstyle{every node} =

2 Change History

v0.0	v0.24
General: First public release 1	General: Correction of fragile macros 1
v0.1	v0.25
General: Algorithm tricks $\dots \dots 1$	General: Few additions and corrections 1
v0.10	v0.26
General: Small refinements 1	General: Few additions
v0.11	v0.27
General: Few additions and corrections 1	General: Small addition to 'Algorithm tricks' 1
v0.12	v0.28
General: New starred variants 1	General: Few additions
v0.13	v0.29
General: Further starred variants 1	
v0.14	General: Correction of fragile macros 1
General: Few additions and corrections 1	v0.3
v0.15	General: Few problems solved 1
General: Refactoring of dtx sources 1	v0.30
v0.16	General: Improvements and new command
General: Small refinements and few additions 1	variants
v0.17	v0.31
General: Few additions	General: Small improvements 1
v0.18	v0.4
General: Few new starred variants	General: Refactoring, corrections, and
	extensions 1
General: Additional starred variants 1 v0.2	v0.5
General: Changes in 'Auxiliary tricks' 1	General: Figure tricks
v0.20	v0.6
General: New binary operators	General: Small refinements 1
v0.21	v0.7
General: Refactoring of function macros 1	General: Refinements, corrections, and
v0.22	extensions
General: Few additions	v0.8
v0.23	General: Few refinements and corrections 1
General: New 'Graphs' section and small	v0.9
improvements	General: Small addition to 'Algorithm tricks'

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Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

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\@len	\@tuplel 1014, 1015 \@tupler 1024, 1025 \@vec 963, 964 \^ 889, 891 \' 886	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321
\@len	\@tuplel 1014, 1015 \@tupler 1024, 1025 \@vec 963, 964 \^ 889, 891 \' 886	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322
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\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322
\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 1192 \arglef 157, 164, 435,
\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 1192
\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 1192 \arglef 157, 164, 435,
\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 1192 \arglef 157, 164, 435, 459, 1987, 2004, 2021,
\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 1192 \arglef 157, 164, 435, 459, 1987, 2004, 2021, 2038, 2055, 2072, 2089,
\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 1192 \arglef 157, 164, 435, 459, 1987, 2004, 2021, 2038, 2055, 2072, 2089, 2121, 2138, 2155, 2172,
\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 1192 \arglef 157, 164, 435,
\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbet 1192 \arglef 157, 164, 435, 459, 1987, 2004, 2021, 2038, 2055, 2072, 2089, 2121, 2138, 2155, 2172, 2189, 2206, 2223, 2240
\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbet 1192 \arglef 157, 164, 435,
\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 1192 \arglef 157, 164, 435,
\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 1192 \arglef 157, 164, 435,
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\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 1992 \arglef 157, 164, 435,
\\(\text{Qlen} \) \\(Qle	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 1992 \arglef 157, 164, 435,
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\@len	\@tuplel	\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 192 \argbet 157, 164, 435,
\@len	\\(\text{Qtuple1} \) \\ \(\text{Qtupler} \) \\ \(\text{Qtupler} \) \\ \(\text{Qtupler} \) \\ \(\text{Qtvec} \) \\ \(\text{Qsolution} \) \\ \(\apsym 1461, 1463 \APTime(E/H/C) 1253 \AQPSpace(E/H/C) 1256 \AQPTime(E/H/C) 1255 \arabic 2402 \aRel 695 \ArenaName 1321 \arenaname 1321, 1322 \arg 1189 \argbst 157, 164, 435,

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\CGS	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\cmdtxtabr <u>559,</u> 846, 847, 848, 849, 850, 851, 852, 853, 854, 855,
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\CGS	\cmdmthoparmat 821 \cmdmthoparname 614 \cmdmthoparrel 704 \cmdmthoparset 684 \cmdmthoparsig 656	\cmdtxtabr 559, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865,
\CGS	\cmdmthoparmat 821 \cmdmthoparname 614 \cmdmthoparrel 704 \cmdmthoparset 684 \cmdmthoparsig 656 \cmdmthoparsnt 792	$\begin{array}{c} \texttt{\cmdtxtabr} & \dots & \underline{559}, \\ 846, 847, 848, 849, 850, \\ 851, 852, 853, 854, 855, \\ 856, 857, 858, 859, 860, \\ 861, 862, 863, 864, 865, \\ 866, 867, 869, 870, 871, \\ \end{array}$
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\CGS	\cmdmthoparmat 821 \cmdmthoparname 614 \cmdmthoparrel 704 \cmdmthoparset 684 \cmdmthoparsig 656 \cmdmthoparsnt 792 \cmdmthoparstr 670 \cmdmthoparsymelm 761 \cmdmthoparvec 835	$ \begin{array}{c} \texttt{\cmdtxtabr} & \dots & \underline{559}, \\ 846, 847, 848, 849, 850, \\ 851, 852, 853, 854, 855, \\ 856, 857, 858, 859, 860, \\ 861, 862, 863, 864, 865, \\ 866, 867, 869, 870, 871, \\ 872, 873, 874, 875, 876, \\ 877, 878, 879, 880, 881, \\ 882, 886, 887, 888, 889, \\ 891, 893, 894, 895, 896, \\ \end{array} $
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$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\cmdmthoparmat 821 \cmdmthoparname 614 \cmdmthoparrel 704 \cmdmthoparset 684 \cmdmthoparsig 656 \cmdmthoparsnt 792 \cmdmthoparsym 732, 762 \cmdmthoparsymelm 761 \cmdmthoparvec 835 \cmdmthpar 505, 512 \cmdmthparcls 640	$\begin{array}{c} \texttt{\cmdtxtabr} & \dots & \underline{559}, \\ 846, 847, 848, 849, 850, \\ 851, 852, 853, 854, 855, \\ 856, 857, 858, 859, 860, \\ 861, 862, 863, 864, 865, \\ 866, 867, 869, 870, 871, \\ 872, 873, 874, 875, 876, \\ 877, 878, 879, 880, 881, \\ 882, 886, 887, 888, 889, \\ 891, 893, 894, 895, 896, \\ 897, 898, 899, 900, 902, \\ 903, 1478, 1479, 1480, 1481 \\ \end{array}$
$\begin{array}{llllllllllllllllllllllllllllllllllll$	\cmdmthoparmat 821 \cmdmthoparname 614 \cmdmthoparrel 704 \cmdmthoparset 684 \cmdmthoparsig 656 \cmdmthoparsnt 792 \cmdmthoparstr 670 \cmdmthoparsymelm 761 \cmdmthoparvec 835 \cmdmthpar 505 512	$ \begin{array}{c} \texttt{\cmdtxtabr} & \dots & \underline{559}, \\ 846, 847, 848, 849, 850, \\ 851, 852, 853, 854, 855, \\ 856, 857, 858, 859, 860, \\ 861, 862, 863, 864, 865, \\ 866, 867, 869, 870, 871, \\ 872, 873, 874, 875, 876, \\ 877, 878, 879, 880, 881, \\ 882, 886, 887, 888, 889, \\ 891, 893, 894, 895, 896, \\ 897, 898, 899, 900, 902, \\ \end{array} $

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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	85, 89, 90, 94, 95, 99, 100, 105, 106, 111, 112, 116, 121, 122, 127, 128, 131	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	85, 89, 90, 94, 95, 99, 100, 105, 106, 111, 112, 116, 121, 122, 127, 128, 131 \DeclareRobustCommand	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	85, 89, 90, 94, 95, 99, 100, 105, 106, 111, 112, 116, 121, 122, 127, 128, 131 \DeclareRobustCommand 307, 313,	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	85, 89, 90, 94, 95, 99, 100, 105, 106, 111, 112, 116, 121, 122, 127, 128, 131 \text{DeclareRobustCommand} \cdots \	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	85, 89, 90, 94, 95, 99, 100, 105, 106, 111, 112, 116, 121, 122, 127, 128, 131 \ \text{DeclareRobustCommand} \cdots \cdots \text{307, 313, 319, 325, 331, 337, 343, 349, 355, 361, 367, 370,}	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131\\ \\ \texttt{DeclareRobustCommand} \dots \\ \dots \dots 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092	85, 89, 90, 94, 95, 99, 100, 105, 106, 111, 112, 116, 121, 122, 127, 128, 131 \DeclareRobustCommand 307, 313, 319, 325, 331, 337, 343, 349, 355, 361, 367, 370, 372, 374, 376, 378, 380, 383, 388, 393, 398, 403,	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131 \\ \\ \begin{array}{c} \texttt{DeclareRobustCommand} \dots \\ \dots \dots 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnt 1478 \Cnt 1466	85, 89, 90, 94, 95, 99, 100, 105, 106, 111, 112, 116, 121, 122, 127, 128, 131 \DeclareRobustCommand 307, 313, 319, 325, 331, 337, 343, 349, 355, 361, 367, 370, 372, 374, 376, 378, 380, 383, 388, 393, 398, 403,	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \cnd 1082	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131 \\ \\ \begin{array}{c} \texttt{DeclareRobustCommand} \dots \\ \dots \dots 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093, 2096, 2099, 2101, 2106,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1082 \coimplies 931	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131\\ \\ \begin{array}{c} \texttt{DeclareRobustCommand} \dots \\ \\ \dots \dots \dots 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093, 2096, 2099, 2101, 2106, 2108, 2111, 2114, 2116,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \cnd 1082	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131\\ \hline \\ \textbf{DeclareRobustCommand} \dots \\ \hline \\ \dots \dots \dots 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ 474,\ 480,\ 483,\ 485,\ 487,\\ 489,\ 491,\ 496,\ 499,\ 502,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093, 2096, 2099, 2101, 2106, 2108, 2111, 2114, 2116, 2123, 2125, 2128, 2131, 2133, 2140, 2142, 2145,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1082 \coimplies 931	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131\\ \hline \\ \textbf{DeclareRobustCommand} \qquad \dots \\ \hline \\ \dots \dots \dots 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ 474,\ 480,\ 483,\ 485,\ 487,\\ 489,\ 491,\ 496,\ 499,\ 502,\\ 505,\ 508,\ 511,\ 545,\ 558,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093, 2096, 2099, 2101, 2106, 2108, 2111, 2114, 2116, 2123, 2125, 2128, 2131, 2133, 2140, 2142, 2145, 2148, 2150, 2157, 2159,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \Coloneqq 916	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131\\ \hline \\ \textbf{DeclareRobustCommand} \qquad \dots \\ \hline \\ \dots \dots \dots 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ 474,\ 480,\ 483,\ 485,\ 487,\\ 489,\ 491,\ 496,\ 499,\ 502,\\ 505,\ 508,\ 511,\ 545,\ 558,\\ 572,\ 585,\ 604,\ 618,\ 632,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093, 2096, 2099, 2101, 2106, 2108, 2111, 2114, 2116, 2123, 2125, 2128, 2131, 2133, 2140, 2142, 2145, 2148, 2150, 2157, 2159, 2162, 2165, 2167, 2174,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \coloneqq 916 \coloneqq 916 \com@false 56, 77, 79	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131 \\ \hline \\ \textbf{DeclareRobustCommand} \qquad \dots \\ \hline \\ \dots \dots \dots 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ 474,\ 480,\ 483,\ 485,\ 487,\\ 489,\ 491,\ 496,\ 499,\ 502,\\ 505,\ 508,\ 511,\ 545,\ 558,\\ 572,\ 585,\ 604,\ 618,\ 632,\\ 646,\ 660,\ 674,\ 694,\ 708,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093, 2096, 2099, 2101, 2106, 2108, 2111, 2114, 2116, 2123, 2125, 2128, 2131, 2133, 2140, 2142, 2145, 2148, 2150, 2157, 2159, 2162, 2165, 2167, 2174, 2176, 2179, 2182, 2184,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \Coloneqq 916 \con@false 56, 77, 79 \com@true 78	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131\\ \hline \\ \textbf{DeclareRobustCommand} \qquad \dots\\ \hline \\ \dots \dots \dots \qquad 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ 474,\ 480,\ 483,\ 485,\ 487,\\ 489,\ 491,\ 496,\ 499,\ 502,\\ 505,\ 508,\ 511,\ 545,\ 558,\\ 572,\ 585,\ 604,\ 618,\ 632,\\ 646,\ 660,\ 674,\ 694,\ 708,\\ 722,\ 736,\ 767,\ 769,\ 776,\\ \hline \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093, 2096, 2099, 2101, 2106, 2108, 2111, 2114, 2116, 2123, 2125, 2128, 2131, 2133, 2140, 2142, 2145, 2148, 2150, 2157, 2159, 2162, 2165, 2167, 2174, 2176, 2179, 2182, 2184, 2191, 2193, 2196, 2199,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \Coloneqq 916 \con@false 56, 77, 79 \comp 952	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131\\ \hline \\ \textbf{DeclareRobustCommand} \\ \dots \\ \dots \\ \dots \\ 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ 474,\ 480,\ 483,\ 485,\ 487,\\ 489,\ 491,\ 496,\ 499,\ 502,\\ 505,\ 508,\ 511,\ 545,\ 558,\\ 572,\ 585,\ 604,\ 618,\ 632,\\ 646,\ 660,\ 674,\ 694,\ 708,\\ 722,\ 736,\ 767,\ 769,\ 776,\\ 782,\ 796,\ 811,\ 825,\ 911,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2048, 2050, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093, 2096, 2099, 2101, 2106, 2108, 2111, 2114, 2116, 2123, 2125, 2128, 2131, 2133, 2140, 2142, 2145, 2148, 2150, 2157, 2159, 2162, 2165, 2167, 2174, 2176, 2179, 2182, 2184, 2191, 2193, 2196, 2199, 2201, 2208, 2210, 2213,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \Coloneqq 916 \con@false 56, 77, 79 \comp 952 \Complete 1240	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131 \\ \hline \\ \textbf{DeclareRobustCommand} \dots \\ \hline \\ \dots \dots \dots 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ 474,\ 480,\ 483,\ 485,\ 487,\\ 489,\ 491,\ 496,\ 499,\ 502,\\ 505,\ 508,\ 511,\ 545,\ 558,\\ 572,\ 585,\ 604,\ 618,\ 632,\\ 646,\ 660,\ 674,\ 694,\ 708,\\ 722,\ 736,\ 767,\ 769,\ 776,\\ 782,\ 796,\ 811,\ 825,\ 911,\\ 915,\ 918,\ 920,\ 923,\ 925,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2066, 2067, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093, 2096, 2099, 2101, 2106, 2108, 2111, 2114, 2116, 2123, 2125, 2128, 2131, 2133, 2140, 2142, 2145, 2148, 2150, 2157, 2159, 2162, 2165, 2167, 2174, 2176, 2179, 2182, 2184, 2191, 2193, 2196, 2199, 2201, 2208, 2210, 2213, 2216, 2218, 2225, 2227,
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2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \coloneqq 916 \coloneqq 916 \com@false 56, 77, 79 \comp 952 \complete 1240 \conset 1512, 1513 \ConSig 1509	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131 \\ \hline \\ \textbf{DeclareRobustCommand} \dots \\ \hline \\ \dots \dots \dots 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ 474,\ 480,\ 483,\ 485,\ 487,\\ 489,\ 491,\ 496,\ 499,\ 502,\\ 505,\ 508,\ 511,\ 545,\ 558,\\ 572,\ 585,\ 604,\ 618,\ 632,\\ 646,\ 660,\ 674,\ 694,\ 708,\\ 722,\ 736,\ 767,\ 769,\ 776,\\ 782,\ 796,\ 811,\ 825,\ 911,\\ 915,\ 918,\ 920,\ 923,\ 925,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2066, 2067, 2057, 2059, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093, 2096, 2099, 2101, 2106, 2108, 2111, 2114, 2116, 2123, 2125, 2128, 2131, 2133, 2140, 2142, 2145, 2148, 2150, 2157, 2159, 2162, 2165, 2167, 2174, 2176, 2179, 2182, 2184, 2191, 2193, 2196, 2199, 2201, 2208, 2210, 2213, 2216, 2218, 2225, 2227,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \coloneqq 916 \con@false 56, 77, 79 \com@true 78 \comp 952 \complete 1240 \conset 1512, 1513 \consig 1509 \consig 1509, 1510	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131 \\ \hline \\ \textbf{DeclareRobustCommand} \qquad \dots \\ \hline \\ \dots \dots \dots \qquad 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ 474,\ 480,\ 483,\ 485,\ 487,\\ 489,\ 491,\ 496,\ 499,\ 502,\\ 505,\ 508,\ 511,\ 545,\ 558,\\ 572,\ 585,\ 604,\ 618,\ 632,\\ 646,\ 660,\ 674,\ 694,\ 708,\\ 722,\ 736,\ 767,\ 769,\ 776,\\ 782,\ 796,\ 811,\ 825,\ 911,\\ 915,\ 918,\ 920,\ 923,\ 925,\\ 927,\ 929,\ 931,\ 933,\ 936,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093, 2096, 2099, 2101, 2106, 2108, 2111, 2114, 2116, 2123, 2125, 2128, 2131, 2133, 2140, 2142, 2145, 2148, 2150, 2157, 2159, 2162, 2165, 2167, 2174, 2176, 2179, 2182, 2184, 2191, 2193, 2196, 2199, 2201, 2208, 2210, 2213, 2216, 2218, 2225, 2227, 2230, 2233, 2235, 2242,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \coloneqq 916 \coloneqq 916 \com@false 56, 77, 79 \comp 952 \complete 1240 \conset 1512, 1513 \ConSig 1509	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131 \\ \hline \\ \textbf{DeclareRobustCommand} \qquad \dots \\ \hline \\ \dots \dots \dots \qquad 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ 474,\ 480,\ 483,\ 485,\ 487,\\ 489,\ 491,\ 496,\ 499,\ 502,\\ 505,\ 508,\ 511,\ 545,\ 558,\\ 572,\ 585,\ 604,\ 618,\ 632,\\ 646,\ 660,\ 674,\ 694,\ 708,\\ 722,\ 736,\ 767,\ 769,\ 776,\\ 782,\ 796,\ 811,\ 825,\ 911,\\ 915,\ 918,\ 920,\ 923,\ 925,\\ 927,\ 929,\ 931,\ 933,\ 936,\\ 938,\ 940,\ 942,\ 945,\ 947,\\ \end{array}$	1974, 1977, 1980, 1982, 1989, 1991, 1994, 1997, 1999, 2006, 2008, 2011, 2014, 2016, 2023, 2025, 2028, 2031, 2033, 2040, 2042, 2045, 2062, 2065, 2067, 2074, 2076, 2079, 2082, 2084, 2091, 2093, 2096, 2099, 2101, 2106, 2108, 2111, 2114, 2116, 2123, 2125, 2128, 2131, 2133, 2140, 2142, 2145, 2148, 2150, 2157, 2159, 2162, 2165, 2167, 2174, 2176, 2179, 2182, 2184, 2191, 2193, 2196, 2199, 2201, 2208, 2210, 2213, 2216, 2218, 2225, 2227, 2230, 2233, 2235, 2242,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \coloneqq 916 \con@false 56, 77, 79 \com@true 78 \comp 952 \complete 1240 \conset 1512, 1513 \consig 1509 \consig 1509, 1510	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131 \\ \hline \\ \textbf{DeclareRobustCommand} \qquad \dots \\ \hline \\ \dots \dots \dots \qquad 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ 474,\ 480,\ 483,\ 485,\ 487,\\ 489,\ 491,\ 496,\ 499,\ 502,\\ 505,\ 508,\ 511,\ 545,\ 558,\\ 572,\ 585,\ 604,\ 618,\ 632,\\ 646,\ 660,\ 674,\ 694,\ 708,\\ 722,\ 736,\ 767,\ 769,\ 776,\\ 782,\ 796,\ 811,\ 825,\ 911,\\ 915,\ 918,\ 920,\ 923,\ 925,\\ 927,\ 929,\ 931,\ 933,\ 936,\\ 938,\ 940,\ 942,\ 945,\ 947,\\ 949,\ 952,\ 954,\ 956,\ 958,\\ 960,\ 962,\ 964,\ 966,\ 969,\\ \end{array}$	$\begin{array}{c} 1974,\ 1977,\ 1980,\ 1982,\\ 1989,\ 1991,\ 1994,\ 1997,\\ 1999,\ 2006,\ 2008,\ 2011,\\ 2014,\ 2016,\ 2023,\ 2025,\\ 2028,\ 2031,\ 2033,\ 2040,\\ 2042,\ 2045,\ 2048,\ 2050,\\ 2057,\ 2059,\ 2062,\ 2065,\\ 2067,\ 2074,\ 2076,\ 2079,\\ 2082,\ 2084,\ 2091,\ 2093,\\ 2096,\ 2099,\ 2101,\ 2106,\\ 2108,\ 2111,\ 2114,\ 2116,\\ 2123,\ 2125,\ 2128,\ 2131,\\ 2133,\ 2140,\ 2142,\ 2145,\\ 2148,\ 2150,\ 2157,\ 2159,\\ 2162,\ 2165,\ 2167,\ 2174,\\ 2176,\ 2179,\ 2182,\ 2184,\\ 2191,\ 2193,\ 2196,\ 2199,\\ 2201,\ 2208,\ 2210,\ 2213,\\ 2216,\ 2218,\ 2225,\ 2227,\\ 2230,\ 2233,\ 2235,\ 2242,\\ 2244,\ 2247,\ 2250,\ 2252\\ \end{array}$ \\tag{DeclareRobustCommandx} \ 309,
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \coloneqq 916 \coneqtalse 56, 77, 79 \com@false 56, 77, 79 \complete 78 \comp 952 \Complete 1240 \conset 1512, 1513 \ConSig 1509 \consig 1509, 1510 \constr 1536, 1537	$\begin{array}{c} 85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131 \\ \hline \\ \textbf{DeclareRobustCommand} \qquad \dots \\ \hline \\ \dots \dots \dots \qquad 307,\ 313,\\ 319,\ 325,\ 331,\ 337,\ 343,\\ 349,\ 355,\ 361,\ 367,\ 370,\\ 372,\ 374,\ 376,\ 378,\ 380,\\ 383,\ 388,\ 393,\ 398,\ 403,\\ 408,\ 420,\ 426,\ 432,\ 438,\\ 444,\ 450,\ 456,\ 462,\ 468,\\ 474,\ 480,\ 483,\ 485,\ 487,\\ 489,\ 491,\ 496,\ 499,\ 502,\\ 505,\ 508,\ 511,\ 545,\ 558,\\ 572,\ 585,\ 604,\ 618,\ 632,\\ 646,\ 660,\ 674,\ 694,\ 708,\\ 722,\ 736,\ 767,\ 769,\ 776,\\ 782,\ 796,\ 811,\ 825,\ 911,\\ 915,\ 918,\ 920,\ 923,\ 925,\\ 927,\ 929,\ 931,\ 933,\ 936,\\ 938,\ 940,\ 942,\ 945,\ 947,\\ 949,\ 952,\ 954,\ 956,\ 958,\\ 960,\ 962,\ 964,\ 966,\ 969,\\ 973,\ 975,\ 977,\ 983,\ 985,\\ \end{array}$	$\begin{array}{c} 1974,\ 1977,\ 1980,\ 1982,\\ 1989,\ 1991,\ 1994,\ 1997,\\ 1999,\ 2006,\ 2008,\ 2011,\\ 2014,\ 2016,\ 2023,\ 2025,\\ 2028,\ 2031,\ 2033,\ 2040,\\ 2042,\ 2045,\ 2048,\ 2050,\\ 2057,\ 2059,\ 2062,\ 2065,\\ 2067,\ 2074,\ 2076,\ 2079,\\ 2082,\ 2084,\ 2091,\ 2093,\\ 2096,\ 2099,\ 2101,\ 2106,\\ 2108,\ 2111,\ 2114,\ 2116,\\ 2123,\ 2125,\ 2128,\ 2131,\\ 2133,\ 2140,\ 2142,\ 2145,\\ 2148,\ 2150,\ 2157,\ 2159,\\ 2162,\ 2165,\ 2167,\ 2174,\\ 2176,\ 2179,\ 2182,\ 2184,\\ 2191,\ 2193,\ 2196,\ 2199,\\ 2201,\ 2208,\ 2210,\ 2213,\\ 2216,\ 2218,\ 2225,\ 2227,\\ 2230,\ 2233,\ 2235,\ 2242,\\ 2244,\ 2247,\ 2250,\ 2252\\ \end{array}$ \\tag{DeclareRobustCommandx} \ 309,\\ \ 311,\ 315,\ 317,\ 321,\ 323,\\ \end{array}
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \Coloneqq 916 \con@false 56, 77, 79 \com@true 78 \comp 952 \Complete 1240 \conset 1512, 1513 \ConSig 1509 \consig 1509, 1510 \constr 1536, 1537 \consym 1511, 1513	$85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131$ \\DeclareRobustCommand \cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots	$\begin{array}{c} 1974,\ 1977,\ 1980,\ 1982,\\ 1989,\ 1991,\ 1994,\ 1997,\\ 1999,\ 2006,\ 2008,\ 2011,\\ 2014,\ 2016,\ 2023,\ 2025,\\ 2028,\ 2031,\ 2033,\ 2040,\\ 2042,\ 2045,\ 2048,\ 2050,\\ 2057,\ 2059,\ 2062,\ 2065,\\ 2067,\ 2074,\ 2076,\ 2079,\\ 2082,\ 2084,\ 2091,\ 2093,\\ 2096,\ 2099,\ 2101,\ 2106,\\ 2108,\ 2111,\ 2114,\ 2116,\\ 2123,\ 2125,\ 2128,\ 2131,\\ 2133,\ 2140,\ 2142,\ 2145,\\ 2148,\ 2150,\ 2157,\ 2159,\\ 2162,\ 2165,\ 2167,\ 2174,\\ 2176,\ 2179,\ 2182,\ 2184,\\ 2191,\ 2193,\ 2196,\ 2199,\\ 2201,\ 2208,\ 2210,\ 2213,\\ 2216,\ 2218,\ 2225,\ 2227,\\ 2230,\ 2233,\ 2235,\ 2242,\\ 2244,\ 2247,\ 2250,\ 2252\\ \end{array}$ \\tag{DeclareRobustCommandx} \ 309,\\ \ 311,\ 315,\ 317,\ 321,\ 323,\\ 327,\ 329,\ 333,\ 335,\ 339,\\ \end{array}
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \Coloneqq 916 \coneqtrue 78 \com@true 78 \comp 952 \Complete 1240 \conset 1512, 1513 \ConSig 1509 \consig 1509, 1510 \constr 1536, 1537 \consym 1511, 1513 \Contd 902	$85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131$ \\DeclareRobustCommand \cdots\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	$\begin{array}{c} 1974,\ 1977,\ 1980,\ 1982,\\ 1989,\ 1991,\ 1994,\ 1997,\\ 1999,\ 2006,\ 2008,\ 2011,\\ 2014,\ 2016,\ 2023,\ 2025,\\ 2028,\ 2031,\ 2033,\ 2040,\\ 2042,\ 2045,\ 2048,\ 2050,\\ 2057,\ 2059,\ 2062,\ 2065,\\ 2067,\ 2074,\ 2076,\ 2079,\\ 2082,\ 2084,\ 2091,\ 2093,\\ 2096,\ 2099,\ 2101,\ 2106,\\ 2108,\ 2111,\ 2114,\ 2116,\\ 2123,\ 2125,\ 2128,\ 2131,\\ 2133,\ 2140,\ 2142,\ 2145,\\ 2148,\ 2150,\ 2157,\ 2159,\\ 2162,\ 2165,\ 2167,\ 2174,\\ 2176,\ 2179,\ 2182,\ 2184,\\ 2191,\ 2193,\ 2196,\ 2199,\\ 2201,\ 2208,\ 2210,\ 2213,\\ 2216,\ 2218,\ 2225,\ 2227,\\ 2230,\ 2233,\ 2235,\ 2242,\\ 2244,\ 2247,\ 2250,\ 2252\\ \end{array}$ \\tag{DeclareRobustCommandx} \ 309,\\ \ 311,\ 315,\ 317,\ 321,\ 323,\\ 327,\ 329,\ 333,\ 335,\ 339,\\ 341,\ 345,\ 347,\ 351,\ 353,\\ \end{array}
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \Coloneqq 916 \cono@false 56, 77, 79 \com@true 78 \comp 952 \Complete 1240 \conset 1512, 1513 \ConSig 1509 \consig 1509, 1510 \constr 1536, 1537 \consym 1511, 1513 \Contd 902 \contd 894	$85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131$ \\ \textbf{DeclareRobustCommand} \cdots \cdots \cdots 307,\ 313,\ \\ 319,\ 325,\ 331,\ 337,\ 343,\ 349,\ 355,\ 361,\ 367,\ 370,\ 372,\ 374,\ 376,\ 378,\ 380,\ 383,\ 388,\ 393,\ 398,\ 403,\ 408,\ 420,\ 426,\ 432,\ 438,\ 444,\ 450,\ 456,\ 462,\ 468,\ 474,\ 480,\ 483,\ 485,\ 487,\ 489,\ 491,\ 496,\ 499,\ 502,\ 505,\ 508,\ 511,\ 545,\ 558,\ 572,\ 585,\ 604,\ 618,\ 632,\ 646,\ 660,\ 674,\ 694,\ 708,\ 722,\ 736,\ 767,\ 769,\ 776,\ 782,\ 796,\ 811,\ 825,\ 911,\ 915,\ 918,\ 920,\ 923,\ 925,\ 927,\ 929,\ 931,\ 933,\ 936,\ 938,\ 940,\ 942,\ 945,\ 947,\ 949,\ 952,\ 954,\ 956,\ 958,\ 960,\ 962,\ 964,\ 966,\ 969,\ 973,\ 975,\ 977,\ 983,\ 985,\ 987,\ 993,\ 995,\ 997,\ 1003,\ 1005,\ 1007,\ 1013,\ 1015,\ 1017,\ 1023,\ 1025,\ 1027,\ \end{array}	$\begin{array}{c} 1974,\ 1977,\ 1980,\ 1982,\\ 1989,\ 1991,\ 1994,\ 1997,\\ 1999,\ 2006,\ 2008,\ 2011,\\ 2014,\ 2016,\ 2023,\ 2025,\\ 2028,\ 2031,\ 2033,\ 2040,\\ 2042,\ 2045,\ 2048,\ 2050,\\ 2057,\ 2059,\ 2062,\ 2065,\\ 2067,\ 2074,\ 2076,\ 2079,\\ 2082,\ 2084,\ 2091,\ 2093,\\ 2096,\ 2099,\ 2101,\ 2106,\\ 2108,\ 2111,\ 2114,\ 2116,\\ 2123,\ 2125,\ 2128,\ 2131,\\ 2133,\ 2140,\ 2142,\ 2145,\\ 2148,\ 2150,\ 2157,\ 2159,\\ 2162,\ 2165,\ 2167,\ 2174,\\ 2176,\ 2179,\ 2182,\ 2184,\\ 2191,\ 2193,\ 2196,\ 2199,\\ 2201,\ 2208,\ 2210,\ 2213,\\ 2216,\ 2218,\ 2225,\ 2227,\\ 2230,\ 2233,\ 2235,\ 2242,\\ 2244,\ 2247,\ 2250,\ 2252\\ \end{array}$ \\tag{DeclareRobustCommandx} \ 309,\ \\ 311,\ 315,\ 317,\ 321,\ 323,\ 327,\ 329,\ 333,\ 335,\ 339,\ 341,\ 345,\ 347,\ 351,\ 353,\ 357,\ 359,\ 363,\ 365,\ 411,\ \end{declare}
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \Coloneqq 916 \coneqtalse 56, 77, 79 \com@true 78 \comp 952 \Complete 1240 \conset 1512, 1513 \ConSig 1509 \consig 1509, 1510 \constr 1536, 1537 \consym 1511, 1513 \Contd 902 \contd 894 \Continue 2393	$85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131$ \\ \textbf{DeclareRobustCommand} \cdots \cdots \cdots 307,\ 313,\ \\ 319,\ 325,\ 331,\ 337,\ 343,\ 349,\ 355,\ 361,\ 367,\ 370,\ 372,\ 374,\ 376,\ 378,\ 380,\ 383,\ 388,\ 393,\ 398,\ 403,\ 408,\ 420,\ 426,\ 432,\ 438,\ 444,\ 450,\ 456,\ 462,\ 468,\ 474,\ 480,\ 483,\ 485,\ 487,\ 489,\ 491,\ 496,\ 499,\ 502,\ 505,\ 508,\ 511,\ 545,\ 558,\ 572,\ 585,\ 604,\ 618,\ 632,\ 646,\ 660,\ 674,\ 694,\ 708,\ 722,\ 736,\ 767,\ 769,\ 776,\ 782,\ 796,\ 811,\ 825,\ 911,\ 915,\ 918,\ 920,\ 923,\ 925,\ 927,\ 929,\ 931,\ 933,\ 936,\ 938,\ 940,\ 942,\ 945,\ 947,\ 949,\ 952,\ 954,\ 956,\ 958,\ 960,\ 962,\ 964,\ 966,\ 969,\ 973,\ 975,\ 977,\ 983,\ 985,\ 987,\ 993,\ 995,\ 997,\ 1003,\ 1005,\ 1007,\ 1013,\ 1015,\ 1017,\ 1023,\ 1025,\ 1027,\ 1034,\ 1036,\ 1038,\ 1040,\ \end{argma}	$\begin{array}{c} 1974,\ 1977,\ 1980,\ 1982,\\ 1989,\ 1991,\ 1994,\ 1997,\\ 1999,\ 2006,\ 2008,\ 2011,\\ 2014,\ 2016,\ 2023,\ 2025,\\ 2028,\ 2031,\ 2033,\ 2040,\\ 2042,\ 2045,\ 2048,\ 2050,\\ 2057,\ 2059,\ 2062,\ 2065,\\ 2067,\ 2074,\ 2076,\ 2079,\\ 2082,\ 2084,\ 2091,\ 2093,\\ 2096,\ 2099,\ 2101,\ 2106,\\ 2108,\ 2111,\ 2114,\ 2116,\\ 2123,\ 2125,\ 2128,\ 2131,\\ 2133,\ 2140,\ 2142,\ 2145,\\ 2148,\ 2150,\ 2157,\ 2159,\\ 2162,\ 2165,\ 2167,\ 2174,\\ 2176,\ 2179,\ 2182,\ 2184,\\ 2191,\ 2193,\ 2196,\ 2199,\\ 2201,\ 2208,\ 2210,\ 2213,\\ 2216,\ 2218,\ 2225,\ 2227,\\ 2230,\ 2233,\ 2235,\ 2242,\\ 2244,\ 2247,\ 2250,\ 2252\\ \end{array}$ \\tag{DeclareRobustCommandx} \ 309,\ \\ 311,\ 315,\ 317,\ 321,\ 323,\ \\ 327,\ 329,\ 333,\ 335,\ 339,\ 341,\ 345,\ 347,\ 351,\ 353,\ 357,\ 359,\ 363,\ 365,\ 411,\ 422,\ 424,\ 428,\ 430,\ 434,\ \end{aligned}
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \Coloneqq 916 \coloneqq 916 \com@false 56, 77, 79 \com@true 78 \comp 952 \Complete 1240 \conset 1512, 1513 \ConSig 1509 \consig 1509 \constr 1536 \consym 1511, 1513 \consym 1511, 1513 \contd 902 \contd 894 \cowCL 1648	$85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131$ \\DeclareRobustCommand \cdots\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	$\begin{array}{c} 1974,\ 1977,\ 1980,\ 1982,\\ 1989,\ 1991,\ 1994,\ 1997,\\ 1999,\ 2006,\ 2008,\ 2011,\\ 2014,\ 2016,\ 2023,\ 2025,\\ 2028,\ 2031,\ 2033,\ 2040,\\ 2042,\ 2045,\ 2048,\ 2050,\\ 2057,\ 2059,\ 2062,\ 2065,\\ 2067,\ 2074,\ 2076,\ 2079,\\ 2082,\ 2084,\ 2091,\ 2093,\\ 2096,\ 2099,\ 2101,\ 2106,\\ 2108,\ 2111,\ 2114,\ 2116,\\ 2123,\ 2125,\ 2128,\ 2131,\\ 2133,\ 2140,\ 2142,\ 2145,\\ 2148,\ 2150,\ 2157,\ 2159,\\ 2162,\ 2165,\ 2167,\ 2174,\\ 2176,\ 2179,\ 2182,\ 2184,\\ 2191,\ 2193,\ 2196,\ 2199,\\ 2201,\ 2208,\ 2210,\ 2213,\\ 2216,\ 2218,\ 2225,\ 2227,\\ 2230,\ 2233,\ 2235,\ 2242,\\ 2244,\ 2247,\ 2250,\ 2252\\ \end{array}$ \\tag{DeclareRobustCommandx} \ 309,\ \\ 311,\ 315,\ 317,\ 321,\ 323,\ \\ 327,\ 329,\ 333,\ 335,\ 339,\ 341,\ 345,\ 347,\ 351,\ 353,\ 357,\ 359,\ 363,\ 365,\ 411,\ 422,\ 424,\ 428,\ 430,\ 434,\ 436,\ 440,\ 442,\ 446,\ 448,\ \end{array}
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \Coloneqq 916 \coloneqq 916 \com@false 56, 77, 79 \com@true 78 \comp 952 \Complete 1240 \conset 1512, 1513 \ConSig 1509 \consig 1509 \constr 1536 \constr 1536 \consym 1511, 1513 \contd 902 \contd 894 \cowdCL 1648 \cowdCL 1660	$85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131$ \\ \textbf{DeclareRobustCommand} \therefore 307,\ 313,\ 319,\ 325,\ 331,\ 337,\ 343,\ 349,\ 355,\ 361,\ 367,\ 370,\ 372,\ 374,\ 376,\ 378,\ 380,\ 383,\ 388,\ 393,\ 398,\ 403,\ 408,\ 420,\ 426,\ 432,\ 438,\ 444,\ 450,\ 456,\ 462,\ 468,\ 474,\ 480,\ 483,\ 485,\ 487,\ 489,\ 491,\ 496,\ 499,\ 502,\ 505,\ 508,\ 511,\ 545,\ 558,\ 572,\ 585,\ 604,\ 618,\ 632,\ 646,\ 660,\ 674,\ 694,\ 708,\ 722,\ 736,\ 767,\ 769,\ 776,\ 782,\ 796,\ 811,\ 825,\ 911,\ 915,\ 918,\ 920,\ 923,\ 925,\ 927,\ 929,\ 931,\ 933,\ 936,\ 938,\ 940,\ 942,\ 945,\ 947,\ 949,\ 952,\ 954,\ 956,\ 958,\ 960,\ 962,\ 964,\ 966,\ 969,\ 973,\ 975,\ 977,\ 983,\ 985,\ 987,\ 993,\ 995,\ 997,\ 1003,\ 1005,\ 1007,\ 1013,\ 1015,\ 1017,\ 1023,\ 1025,\ 1027,\ 1034,\ 1036,\ 1038,\ 1040,\ 1042,\ 1044,\ 1046,\ 1048,\ 1050,\ 1052,\ 1054,\ 1056,\ \end{array}	$\begin{array}{c} 1974,\ 1977,\ 1980,\ 1982,\\ 1989,\ 1991,\ 1994,\ 1997,\\ 1999,\ 2006,\ 2008,\ 2011,\\ 2014,\ 2016,\ 2023,\ 2025,\\ 2028,\ 2031,\ 2033,\ 2040,\\ 2042,\ 2045,\ 2048,\ 2050,\\ 2057,\ 2059,\ 2062,\ 2065,\\ 2067,\ 2074,\ 2076,\ 2079,\\ 2082,\ 2084,\ 2091,\ 2093,\\ 2096,\ 2099,\ 2101,\ 2106,\\ 2108,\ 2111,\ 2114,\ 2116,\\ 2123,\ 2125,\ 2128,\ 2131,\\ 2133,\ 2140,\ 2142,\ 2145,\\ 2148,\ 2150,\ 2157,\ 2159,\\ 2162,\ 2165,\ 2167,\ 2174,\\ 2176,\ 2179,\ 2182,\ 2184,\\ 2191,\ 2193,\ 2196,\ 2199,\\ 2201,\ 2208,\ 2210,\ 2213,\\ 2216,\ 2218,\ 2225,\ 2227,\\ 2230,\ 2233,\ 2235,\ 2242,\\ 2244,\ 2247,\ 2250,\ 2252\\ \end{array}$ \\tag{DeclareRobustCommandx} \ 309,\ \\ 311,\ 315,\ 317,\ 321,\ 323,\ \\ 327,\ 329,\ 333,\ 335,\ 339,\ 341,\ 345,\ 347,\ 351,\ 353,\ 357,\ 359,\ 363,\ 365,\ 411,\ 422,\ 424,\ 428,\ 430,\ 434,\ 436,\ 440,\ 442,\ 446,\ 448,\ 452,\ 454,\ 458,\ 460,\ 464,\ \end{array}
2321, 2322, 2323, 2324 \cmdtxtpar 398, 409 \cmdtxtparabr 565 \cmdtxtparcom 592 \cmdtxtpardef 552 \cmdtxtparname 579 \cmodels 936 \cmp 1092 \cnf 1478 \Cnt 1466 \cod 1082 \coimplies 931 \Coloneqq 916 \coloneqq 916 \com@false 56, 77, 79 \com@true 78 \comp 952 \Complete 1240 \conset 1512, 1513 \ConSig 1509 \consig 1509 \constr 1536 \consym 1511, 1513 \consym 1511, 1513 \contd 902 \contd 894 \cowCL 1648	$85,\ 89,\ 90,\ 94,\ 95,\ 99,\\ 100,\ 105,\ 106,\ 111,\ 112,\\ 116,\ 121,\ 122,\ 127,\ 128,\ 131$ \\DeclareRobustCommand \cdots\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	$\begin{array}{c} 1974,\ 1977,\ 1980,\ 1982,\\ 1989,\ 1991,\ 1994,\ 1997,\\ 1999,\ 2006,\ 2008,\ 2011,\\ 2014,\ 2016,\ 2023,\ 2025,\\ 2028,\ 2031,\ 2033,\ 2040,\\ 2042,\ 2045,\ 2048,\ 2050,\\ 2057,\ 2059,\ 2062,\ 2065,\\ 2067,\ 2074,\ 2076,\ 2079,\\ 2082,\ 2084,\ 2091,\ 2093,\\ 2096,\ 2099,\ 2101,\ 2106,\\ 2108,\ 2111,\ 2114,\ 2116,\\ 2123,\ 2125,\ 2128,\ 2131,\\ 2133,\ 2140,\ 2142,\ 2145,\\ 2148,\ 2150,\ 2157,\ 2159,\\ 2162,\ 2165,\ 2167,\ 2174,\\ 2176,\ 2179,\ 2182,\ 2184,\\ 2191,\ 2193,\ 2196,\ 2199,\\ 2201,\ 2208,\ 2210,\ 2213,\\ 2216,\ 2218,\ 2225,\ 2227,\\ 2230,\ 2233,\ 2235,\ 2242,\\ 2244,\ 2247,\ 2250,\ 2252\\ \end{array}$ \\tag{DeclareRobustCommandx} \ 309,\ \\ 311,\ 315,\ 317,\ 321,\ 323,\ \\ 327,\ 329,\ 333,\ 335,\ 339,\ 341,\ 345,\ 347,\ 351,\ 353,\ 357,\ 359,\ 363,\ 365,\ 411,\ 422,\ 424,\ 428,\ 430,\ 434,\ 436,\ 440,\ 442,\ 446,\ 448,\ \end{array}

514, 520, 522, 524, 526,	\denot $\underline{945}$	\EFBGPL 2082
528, 530, 532, 534, 536,	\dep <u>1476</u>	\EFBGSL 2216
546, 548, 550, 552, 554,	\der <u>952</u>	\EFCGPL 2014
559, 561, 563, 565, 567,	\Dere	\EFCGSL 2148
573, 575, 577, 579, 581,	\dere 853	\EFDGPL 2031
586, 588, 590, 592, 594,	\DExpSpace(E/H/C) 1258	\EFDGSL
606, 608, 610, 612, 614,		-
	\DExpTime(E/H/C) <u>1257</u>	\EFEGPL
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\mthparfun	159, 161, 163, 166, 168,	\0pr \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
\mthparmat <u>809</u>	170, 173, 183, 187, 192,	\out <u>1368</u>
\mthparname <u>602</u>	194, 196, 199, 203, 207,	\overbrace 961
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\mthparsnt 780	\newtxtarg 319, 328, 330, 334, 336	\P 1797
\mthparstr 658	\newtxtargsty 325, 373, 391, 392	\PackageWarning 131
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\mthparvec 823	\newtxtoargsty \(\frac{337}{375}, \frac{396}{397}\)	\Percontra 880
\mthrel 692	\newtxtopar 355, 364, 366	\percontra 863
	<u> </u>	\PH
\mthset 672, 1117, 1119, 1121,	\newtxtoparsty \(\frac{361}{250}\), 379, 406, 407	
1125, 1133, 1141, 1149	\newtxtpar \(\frac{343}{352}\), 354, 358, 360	\Pi 1267, 1268, 1571
\mthsig <u>644</u>	\newtxtparsty $349, 377, 401, 402$	\pi 1286, 1352, 1730, 1950
\mthsnt	\newtxtsty $\frac{313}{371}$, $\frac{386}{387}$	\PL <u>1617</u> , <u>1969</u>
\mthstr <u>658</u>	$\texttt{NExpSpace}(\texttt{E/H/C}) \dots \underline{1258}$	\playFun <u>1352</u>
\mthsty	\NExpTime(E/H/C) <u>1257</u>	\PlaySet <u>1352</u> , <u>1950</u>
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\mthstycls 632	\NLogSpace(E/H/C) 1252	\playsym 1352, 1354, 1950, 1952
\mthstyelm 736	\NLogTime(E/H/C) 1251	\PlnSet <u>1954</u>
\mthstyfam 618	\nlr 2400	\plnset . 1955, 1956, 1957, 1959
	\nlset 2402	\plnsym . 1954, 1956, 1958, 1960
\mthstyfun 708	\noexpand 186, 190	\PlrFun <u>1332</u>
\mthstylbop 769	\norm	\plrfun 1332, 1333
		\ D7 G 101F 1000 1000
\mthstylrel 776	\normalfont . 312, 545, 572, 585	\PlrSym <u>1317</u> , 1328, 1329,
\mthstyluop 767	\normalfont . 312, 545, 572, 585 \not 926, 930, 934, 939, 943	\PlrSym <u>1317</u> , 1328, 1329, 1347, 1348, 1359, 1360,
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\mthstyluop	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	1347, 1348, 1359, 1360, 1919, 1920, 1945, 1946, 1957, 1958, 1964, 1965
\mthstyluop	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	1347, 1348, 1359, 1360, 1919, 1920, 1945, 1946, 1957, 1958, 1964, 1965 \plrsym 1317, 1318
\mthstyluop 767 \mthstymat 811 \mthstyname 604 \mthstyrel 694 \mthstyset 674 \mthstysig 646	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	1347, 1348, 1359, 1360, 1919, 1920, 1945, 1946, 1957, 1958, 1964, 1965 \plrsym 1317, 1318 \pm 1127, 1135, 1143 \pmapsto 1098
\mthstyluop 767 \mthstymat 811 \mthstyname 604 \mthstyrel 694 \mthstyset 674 \mthstysig 646 \mthstysnt 782	$\begin{array}{llllllllllllllllllllllllllllllllllll$	1347, 1348, 1359, 1360, 1919, 1920, 1945, 1946, 1957, 1958, 1964, 1965 \plrsym 1317, 1318 \pm 1127, 1135, 1143 \pmapsto
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\mthstyluop 767 \mthstymat 811 \mthstyname 604 \mthstyrel 694 \mthstyset 674 \mthstysig 646 \mthstysnt 782 \mthstystr 660 \mthstysym 722	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	1347, 1348, 1359, 1360, 1919, 1920, 1945, 1946, 1957, 1958, 1964, 1965 \plrsym
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\mthstyluop 767 \mthstymat 811 \mthstyname 604 \mthstyrel 694 \mthstyset 674 \mthstysig 646 \mthstysit 782 \mthstystr 660 \mthstysym 722 \mthstyvec 825 \mthstyvec 825 \mthsubsup 423, 425, 480 \mthsym 720 \mthvec 823 \mtl 1629, 1634, 1638 \mu 1736 \mu 1736 \mu 1736 \mu 1445 \mu 1629, 1634, 1638 \mu 1736 \mu 1736 \mu 1629, 1634, 1638 \mu 1736 \m	\not 926, 930, 934, 939, 943 \notcequiv 940 \notcomodels 936 \notcoimplies 931 \notimplied 927 \notimplied 923 \nPSpace(E/H/C) 1254 \nPTime(E/H/C) 1253 \nQPSpace(E/H/C) 1256 \nQPTime(E/H/C) 1255 \nSpace(E/H/C) 1250 \nTime(E/H/C) 1250 \nTime(E/H/C) 1250 \nTime(E/H/C) 1250 \nTime(E/H/C) 1250 \num 1153 \numcc 1153 \numcc 1153 \numcc 1153 \numco 1153	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
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\mthstyluop 767 \mthstymat 811 \mthstyname 604 \mthstyrel 694 \mthstyset 674 \mthstysig 646 \mthstysit 782 \mthstystr 660 \mthstysym 722 \mthstyvec 825 \mthstyvec 825 \mthsubsup 423, 425, 480 \mthsym 720 \mthvec 823 \mtl 1629, 1634, 1638 \mu 1736 \mu 1736 \mu 1736 \mu 1445 \mu 1629, 1634, 1638 \mu 1736 \mu 1736 \mu 1629, 1634, 1638 \mu 1736 \m	\not 926, 930, 934, 939, 943 \notcequiv 940 \notcomodels 936 \notcoimplies 931 \notimplied 927 \notimplied 923 \NPSpace(E/H/C) 1254 \NPTime(E/H/C) 1253 \NQPSpace(E/H/C) 1256 \NQPTime(E/H/C) 1255 \NSpace(E/H/C) 1250 \NTime(E/H/C) 1250 \NTime(E/H/C) 1250 \NTime(E/H/C) 1250 \num 1153 \numcc 1153 \numcc 1153 \numcc 1153 \numco 1153	1347, 1348, 1359, 1360, 1919, 1920, 1945, 1946, 1957, 1958, 1964, 1965 \plrsym 1317, 1318 \pm 1127, 1135, 1143 \pmapsto 1098 \PosSet 1323, 1914 \posset 1324, 1325, 1328, 1330, 1915, 1916, 1919, 1921 \possym 1323, 1325, 1326, 1327, 1329, 1331, 1914, 1916, 1917, 1918, 1920, 1922 \pow 1068 \pre 1290 \prfFun 1363, 1939 \prfset 1364, 1365, 1940, 1941 \prfsym 1363, 1365, 1939, 1941 \primafacie 881 \primafacie 864 \prj 1088 \Procedure 2384 \ProcessOptions 135 \protect 385, 390, 395, 400, 405, 413, 498, 501, 504, 507, 510, 516
\mthstyluop 767 \mthstymat 811 \mthstyname 604 \mthstyrel 694 \mthstyset 674 \mthstysig 646 \mthstysit 782 \mthstystr 660 \mthstysym 722 \mthstyvec 825 \mthstyvec 825 \mthsubsup 423, 425, 480 \mthsym 720 \mthvec 823 \mtl 1629, 1634, 1638 \mu 1736 \mu 1736 \mu 1736 \mu 1445 \mu 1629, 1634, 1638 \mu 1736 \mu 1736 \mu 1629, 1634, 1638 \mu 1736 \m	\not 926, 930, 934, 939, 943 \notcequiv 940 \notcomodels 936 \notcoimplies 931 \notimplied 927 \notimplied 923 \nPSpace(E/H/C) 1254 \nPTime(E/H/C) 1253 \nQPSpace(E/H/C) 1256 \nQPTime(E/H/C) 1255 \nSpace(E/H/C) 1250 \nTime(E/H/C) 1250 \nTime(E/H/C) 1250 \nTime(E/H/C) 1250 \nTime(E/H/C) 1250 \num 1153 \numcc 1153 \numcc 1153 \numcc 1153 \numco 1153	1347, 1348, 1359, 1360, 1919, 1920, 1945, 1946, 1957, 1958, 1964, 1965 \plrsym 1317, 1318 \pm 1127, 1135, 1143 \pmapsto 1098 \PosSet 1323, 1914 \posset 1324, 1325, 1328, 1330, 1915, 1916, 1919, 1921 \possym 1323, 1325, 1326, 1327, 1329, 1331, 1914, 1916, 1917, 1918, 1920, 1922 \pow 1068 \pre 1068 \pre 1290 \prfFun 1363, 1939 \prfset 1364, 1365, 1940, 1941 \prfsym 1363, 1365, 1939, 1941 \primafacie 881 \primafacie 864 \prj 1088 \Procedure 2384 \ProcessOptions 135 \protect 385, 390, 395, 400, 405, 413,
\mthstyluop 767 \mthstymat 811 \mthstyname 604 \mthstyrel 694 \mthstyset 674 \mthstysig 646 \mthstysig 646 \mthstystr 660 \mthstystr 660 \mthstysym 722 \mthstyvec 825 \mthsubsup 423, 425, 480 \mthsym 720 \mthvec 823 \mtl 1629, 1634, 1638 \mu 1736 \mu 1736 \mu 1736 \mu 1445 \mu 1629, 1634, 1638 \mu 1736 \mu 1736 \mu 1629, 1634, 1638 \mu 1736 \m	\not 926, 930, 934, 939, 943 \notcequiv 940 \notcmodels 936 \notcoimplies 931 \notimplied 927 \notimplies 923 \nPSpace(E/H/C) 1254 \nPTime(E/H/C) 1253 \nQPSpace(E/H/C) 1256 \nQPTime(E/H/C) 1255 \nSpace(E/H/C) 1250 \nTime(E/H/C) 1250 \nTime(E/H/C) 1250 \nTime(E/H/C) 1250 \nTime(E/H/C) 1250 \num 1153 \numcc 1153	1347, 1348, 1359, 1360, 1919, 1920, 1945, 1946, 1957, 1958, 1964, 1965 \plrsym 1317, 1318 \pm 1127, 1135, 1143 \pmapsto 1098 \PosSet 1323, 1914 \posset 1324, 1325, 1328, 1330, 1915, 1916, 1919, 1921 \possym 1323, 1325, 1326, 1327, 1329, 1331, 1914, 1916, 1917, 1918, 1920, 1922 \pow 1068 \pre 1290 \prfFun 1363, 1939 \prfset 1364, 1365, 1940, 1941 \prfsym 1363, 1365, 1939, 1941 \primafacie 881 \primafacie 864 \prj 1088 \Procedure 2384 \ProcessOptions 135 \protect 385, 390, 395, 400, 405, 413, 498, 501, 504, 507, 510, 516

1940, 1942, 1943, 1950,	991, 999, 1001, 1009,	\setr <u>1034</u>
1951, 1954, 1955, 1961,	1011, 1019, 1021, 1029,	\SetRI <u>1140</u>
1962, 2299, 2300, 2306	1031, 1041, 1051, 1059,	\SetRNI <u>1140</u>
\prtFun 1397	1065, 1167, 1173, 1179,	\SetRPI <u>1140</u>
\PrtSet 1397	1185, 1208, 1717, 1903	\SetZ 1124
\prtset 1398, 1399	\Rightarrow 924, 926	\SetZI 1124
\prtsym 1397, 1399	\rightarrow 919, 1453	\SetZNI 1124
-	•	
\psn	\rightharpoonup 1099, 1102	\SetZPI <u>1124</u>
\PSpace(E/H/C) <u>1254</u>	\rmfamily 381, 585	\sffamily 572
\pthFun <u>1286</u>	\rng <u>1082</u>	\Sigma 1265, 1266, 1569, 2297
\PthSet <u>1286</u> , <u>1730</u>	\Role <u>891</u>	\sigma 1356, 1961, 2296
\pthset . 1287, 1288, 1731, 1732	\role <u>889</u>	\Signature <u>2383</u>
\pthsym . 1286, 1288, 1730, 1732	\rrbracket 948, 950	\sim 1447
\PTime(E/H/C) <u>1253</u>	\rst <u>1090</u>	\skm <u>1534</u>
\PTL 1769	\rVert 1173, 1175	\SL <u>2103</u>
\pto \frac{1098}{1098}	\rvert 1065, 1067,	\SO 1583, 1589, 1595
(F	1167, 1169, 1208, 1210	\SOL 1575
${f Q}$	1101, 1100, 1200, 1210	\sol 1373
\QAE 1469	\mathbf{S}	
· · · —		\Space(E/H/C) <u>1250</u>
\QAFMC		\stackrel 913
\QATL 1863	\SATG <u>1299</u>	\StrSet <u>1356</u> , <u>1961</u>
\QATLP 1878	\SaveDoubleAcute 1798	\strset
\QATLS 1893	\SavePilcrow 1797	1357, 1358, 1359, 1361,
\QBF <u>1428</u>	\SaveSectionSymbol 1799	1962, 1963, 1964, 1966
\QCTL 1814	\scshape 572, 585	\strsym
\QCTLP 1829	\seqofcmd <u>187</u> , 200, 204	1356, 1358, 1360, 1362,
\QCTLS 1844	\seqofgrklet 207, 531	1961, 1963, 1965, 1967
\QEA 1469	\seqofgrklow	\SttSet 1923, 2299
\QLTL 1784	199, 208, 211, 527, 647, 661	
•		\sttset
\QMC 1743	\seqofgrkupp \(\frac{203}{203}, \frac{208}{208}, \frac{213}{213}, \frac{529}{647} \)	1924, 1925, 1926, 1928,
\QML 1696	\seqoflatlet <u>196, 525, 647, 661</u>	2300, 2301, 2302, 2304
\Qnt <u>1466</u>	\seqoflatlow <u>192</u> , 197, 211, 521	\sttsym
\QntSet	\seqoflatupp $\underline{194}$,	1923, 1925, 1927, 1929,
\qntset 1472, 1473	197, 213, 523, 605, 619, 633	2299, 2301, 2303, 2305
\qntset 1472, 1473 \qntsym 1471, 1473	197, 213, 523, 605, 619, 633 \seqoflet	2299, 2301, 2303, 2305 \stx
\qntsym 1471, 1473		·
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256	\seqoflet $\frac{214}{537}$, $\frac{675}{695}$, $\frac{695}{709}$,	\stx <u>897</u>
$\begin{array}{llllllllllllllllllllllllllllllllllll$	\seqoflet	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256	$ \begin{array}{c} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	\stx $\frac{897}{1465}$ \suc $\frac{1290}{1198}$ \sup $\frac{1198}{1198}$
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773	\seqoflet	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773	$\begin{array}{c} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C)	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010, 1011, 1012, 1029, 1030,	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\stx
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\stx
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 \R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \taisebox 1101 \tangle 1009, 1010,	\seqoflet	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym	\seqoflet	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\qntsym 1471, 1473 \QPSpace(E/H/C) 1256 \QPTime(E/H/C) 1255 \QPTL 1773 R \raisebox 1101 \rangle 1009, 1010,	\seqoflet	\stx \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

\thmtls@false 25	\txtparname <u>570</u>	\UQPTime(E/H/C) <u>1255</u>
\thmtls@true 24	\txtsty	\usetikzlibrary 2351
\tikzstyle 2352,	371, 373, 375, 377, 379, 380	\USL
2354, 2356, 2358, 2360	\txtstyabr 558	\USpace(E/H/C) 1250
\Time(E/H/C) 1249	\txtstycom 585	\usrmth . \(\frac{514}{521}\), \(\frac{523}{525}\),
\TL \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	\txtstydef 545	527, 529, 531, 533, 535,
\To 2390	\txtstyname 572	537, 607, 609, 611, 613,
\top 1441	\txtsubsup 310, 312, <u>367</u>	615, 621, 623, 625, 627,
\TreeSet		629, 635, 637, 639, 641,
\treeset $\dots \dots 2333, \overline{2334}$	\mathbf{U}	643, 649, 651, 653, 655,
\treesym 2332, 2334	\UAFMC 1763	657, 663, 665, 667, 669,
\triangleq 914	\UAGPL 2042	671, 677, 679, 681, 683,
\trn <u>952</u>	\UAGSL	685, 697, 699, 701, 703,
\trnFun <u>1936</u> , <u>2306</u>	\UATL 1867	705, 711, 713, 715, 717,
\TrnRel <u>1725</u>	\UATLP 1882	719, 725, 727, 729, 731,
\trnRel 1936 , 2306	\UATLS	733, 739, 741, 743, 745,
\trnsym 1936, 1937,	\UBF	747, 771, 773, 778, 785,
1938, 2306, 2307, 2308	\UBGSL	787, 789, 791, 793, 799,
\True <u>2388</u>	\UBH	801, 803, 805, 807, 814,
\Tt <u>1441</u>	\UCGPL 2008	816, 818, 820, 822, 828,
\ttsym 1441, 1442	\UCGSL 2142	830, 832, 834, 836, 1082,
\tuple <u>1003</u>	\UCTL 1818	1083, 1084, 1085, 1086,
\tuplel \frac{1003}{1003}	\UCTLP 1833	1104, 1105, 1106, 1107,
\tupler <u>1003</u>	\UCTLS 1848	1109, 1110, 1111, 1112, 1113, 1114, 1189, 1190,
\txt <u>370</u>	\UDGPL 2025	
\txt@false 56, 66, 68	\UDGSL 2159	1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198,
\txt@true 67	\UEGPL 2059	1199, 1200, 1201, 1211,
\txtabr <u>556</u>	\UEGSL 2193	1212, 1289, 1290, 1291,
\txtarg <u>372</u>	\UExpSpace(E/H/C) <u>1258</u>	1351, 1355, 1366, 1367,
\txtargabr <u>556</u>	$\label{eq:UExpTime} $$\operatorname{UExpTime}(E/H/C) \dots \underline{1257}$$	1368, 1369, 1370, 1371,
\txtargcom <u>583</u>	\UFAGPL 2050	1372, 1373, 1442, 1444,
\txtargdef <u>543</u>	\UFAGSL 2184	1446, 1448, 1450, 1452,
\txtargname <u>570</u> \txtcom 583	\UFBGPL 2084	1454, 1456, 1458, 1460,
	\UFBGSL	1464, 1465, 1466, 1467,
\txtdef <u>543</u> \txtgen@false <u>53</u> , <u>56</u>	\UFCGPL 2016	1468, 1469, 1470, 1474,
\txtgen@true	\UFCGSL 2150	1475, 1476, 1477, 1507,
. 54, 67, 78, 84, 89, 94, 99	\UFDGPL	1508, 1514, 1520, 1521,
\txtname 570 , 1433 , 1498 ,	\UFEGPL 2067	1527, 1533, 1534, 1570,
1500, 1581, 1583, 1587,	\UFEGSL 2201	1572, 1703, 1704, 1705,
1589, 1593, 1595, 1599,	\UFNGSL 2235	1733, 1791, 1792, 1793,
1601, 1605, 1607, 1622,	\UFOGPL 1999	1794, 1795, 1796, 1797, 1798, 1799, 1800, 1851,
1626, 1630, 1634, 1638,	\UFOGSL 2133	1852, 1949, 1953, 2259,
1645, 1649, 1653, 1657,	\UFPL 1982	2260, 2262, 2313, 2335
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1879, 1890, 1894, 1978,	\ULTL 1788	1322, 1337, 1440, 1484,
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2063, 2080, 2097, 2112, 2129, 2146, 2163, 2180,	\UML 1700	1529, 1537, 1539, 1541,
2129, 2140, 2103, 2100, 2197, 2214, 2231, 2248	\UNGSL	1543, 1720, 1907, 2291
\txtoarg 374	\U0GPL	\usrmthlet <u>536</u> , 688, 690
\txtoargcom 1220, 1236	\upharpoonright 1091	\usrmthlow 532
\txtopar 378	\UPL 1974	\usrmthupp 534
\txtoparcom 1238	\upshape	\usrtxt
\txtpar 376	\UPSpace(E/H/C) <u>1254</u>	411, 547, 549, 551, 553,
\txtparabr <u>556</u>	\UPTime(E/H/C) 1253	555, 560, 562, 564, 566,
\txtparcom <u>583</u>	\UPTL \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	568, 574, 576, 578, 580,
\txtpardef <u>543</u>	\UQPSpace(E/H/C) $\underline{1256}$	582, 587, 589, 591, 593, 595

\UTime(E/H/C)	\viz <u>867</u>	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$
${f v}$	\mathbf{W}	\wp
\ValSet <u>1485</u>	\WATL 1859	\WrdSet 2310
\valset 1486, 1487	\WATLP 1874	\wrdset 2311, 2312
\valsym 1485, 1487	\WATLS 1889	\wrdsym 2310, 2312
\varcmd 173 ,	\WAutSet <u>2294</u>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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982, 989, 990, 991, 992,	\WCL 1644	\wrlset 1722, 1723
999, 1000, 1001, 1002,	\WCTL 1810	\wrlsym 1721, 1723, 1724
1009, 1010, 1011, 1012,	\WCTLP 1825	\wrpfig@false 116
1019, 1020, 1021, 1022,	\WCTLS 1840	\wrpfig@true 115
1029, 1030, 1031, 1032	\wghFun <u>1416</u>	\wrt <u>899</u>
\varepsilon 1204	\WghSet 1416	\WSO 1582
\varnothing 1080, 1096	\wghset 1417, 1418	\WSOL 1580
\varpi 1344, 1942	\wghsym 1416, 1418	\WTL 1621
\varset 1505, 1506	\WH 1261	
\VarSig	\widehat 959	\mathbf{X}
\varsig 1502, 1503	\widetilde 955	\X
\varsym 1504, 1506	\WinSet 1338	\XGPL 2088, 2092, 2094, 2097
\vec 962	\winset 1338, 1339	\XGSL 2239, 2243, 2245, 2248
\VerSet 1278	\Wlogx 903	\xi 1363, 1485, 1939
\verset $1279, \overline{1280}$	\wlogx 900	\xspace 310, 312
\versym . 1278, 1280, 1281, 1282	\WMCL 1656	-
\vert 1037, 1047	\WMPL 1679	\mathbf{Y}
\Viceversa <u>882</u>	\WMSO 1600	\Y