

Technical details on texvcjs

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Chapter 1

Technical details on texvc identifier extraction

1.1 Introduction

This chapter describes which mathematical symbols are identified as identifiers. In general every single Latin letter [a-zA-Z] is regarded as identifier. In addition, we accept multi-letter-subscripts that match [0-9a-zA-Z]+, such as a_0 but also ε_{ijk} . Moreover, the Literals described in section 1.2, and the Identifier variants (section 1.3) are supported.

1.2 Literals

The following literals are supported:

`\Bbbk` is rendered as \mathbb{k}

`\Delta` is rendered as Δ

`\Finv` is rendered as \mathfrak{F}

`\Game` is rendered as \mathfrak{G}

`\Gamma` is rendered as Γ

`\Lambda` is rendered as Λ

`\Omega` is rendered as Ω

`\P` is rendered as \mathbb{P}

\backslash Phi is rendered as Φ
 \backslash Pi is rendered as Π
 \backslash Psi is rendered as Ψ
 \backslash S is rendered as \S
 \backslash Sigma is rendered as Σ
 \backslash Theta is rendered as Θ
 \backslash Xi is rendered as Ξ
 \backslash aleph is rendered as \aleph
 \backslash alpha is rendered as α
 \backslash amalg is rendered as \amalg
 \backslash backepsilon is rendered as ϵ
 \backslash beta is rendered as β
 \backslash beth is rendered as \beth
 \backslash chi is rendered as χ
 \backslash complement is rendered as \complement
 \backslash daleth is rendered as \daleth
 \backslash delta is rendered as δ
 \backslash digamma is rendered as \digamma
 \backslash ell is rendered as ℓ
 \backslash epsilon is rendered as ϵ
 \backslash eta is rendered as η
 \backslash eth is rendered as \eth
 \backslash flat is rendered as \flat
 \backslash gamma is rendered as γ
 \backslash gimel is rendered as \gimel
 \backslash hslash is rendered as \hslash
 \backslash imath is rendered as \imath

`\intercal` is rendered as \intercal
`\iota` is rendered as ι
`\jmath` is rendered as \jmath
`\kappa` is rendered as κ
`\lambda` is rendered as λ
`\mho` is rendered as \mho
`\mu` is rendered as μ
`\natural` is rendered as \natural
`\nu` is rendered as ν
`\omega` is rendered as ω
`\phi` is rendered as ϕ
`\pi` is rendered as π
`\pitchfork` is rendered as \pitchfork
`\psi` is rendered as ψ
`\rho` is rendered as ρ
`\sigma` is rendered as σ
`\tau` is rendered as τ
`\theta` is rendered as θ
`\top` is rendered as \top
`\varepsilon` is rendered as ε
`\varkappa` is rendered as \varkappa
`\varnothing` is rendered as \varnothing
`\varphi` is rendered as φ
`\varpi` is rendered as ϖ
`\varrho` is rendered as ϱ
`\varsigma` is rendered as ς
`\vartheta` is rendered as ϑ

`\wp` is rendered as \wp

`\xi` is rendered as ξ

`\zeta` is rendered as ζ

1.3 Identifier variants

The following variants are supported¹:

`\Bbb` applied on x , X is rendered as \mathbb{x} , \mathbb{X}

`\acute` applied on x , X is rendered as \acute{x} , \acute{X}

`\bar` applied on x , X is rendered as \bar{x} , \bar{X}

`\bcancel` applied on x , X is rendered as \cancel{x} , \cancel{X}

`\bmod` applied on x , X is rendered as $\bmod x$, $\bmod X$

`\bold` applied on x , X is rendered as \mathbf{x} , \mathbf{X}

`\boldsymbol` applied on x , X is rendered as \boldsymbol{x} , \boldsymbol{X}

`\breve` applied on x , X is rendered as \breve{x} , \breve{X}

`\cancel` applied on x , X is rendered as \cancel{x} , \cancel{X}

`\check` applied on x , X is rendered as \check{x} , \check{X}

`\ddot` applied on x , X is rendered as \ddot{x} , \ddot{X}

`\dot` applied on x , X is rendered as \dot{x} , \dot{X}

`\emph` applied on x , X is rendered as \emph{x} , \emph{X}

`\grave` applied on x , X is rendered as \grave{x} , \grave{X}

`\hat` applied on x , X is rendered as \hat{x} , \hat{X}

`\mathbb` applied on x , X is rendered as \mathbb{x} , \mathbb{X}

`\mathbf` applied on x , X is rendered as \mathbf{x} , \mathbf{X}

`\mathbin` applied on x , X is rendered as x , X

`\mathcal` applied on x , X is rendered as \mathcal{x} , \mathcal{X}

`\mathclose` applied on x , X is rendered as x , X

¹Note that `\mathcal` is not available for lowercase Latin letters.

$\backslash\mathrm{mathfrak}$ applied on x, X is rendered as $\mathfrak{x}, \mathfrak{X}$
 $\backslash\mathrm{mathit}$ applied on x, X is rendered as x, X
 $\backslash\mathrm{mathop}$ applied on x, X is rendered as \mathop{x}, \mathop{X}
 $\backslash\mathrm{mathopen}$ applied on x, X is rendered as \mathop{x}, \mathop{X}
 $\backslash\mathrm{mathord}$ applied on x, X is rendered as \mathop{x}, \mathop{X}
 $\backslash\mathrm{mathpunct}$ applied on x, X is rendered as \mathop{x}, \mathop{X}
 $\backslash\mathrm{mathrel}$ applied on x, X is rendered as \mathop{x}, \mathop{X}
 $\backslash\mathrm{mathrm}$ applied on x, X is rendered as x, X
 $\backslash\mathrm{mathsf}$ applied on x, X is rendered as x, X
 $\backslash\mathrm{mathtt}$ applied on x, X is rendered as \mathtt{x}, \mathtt{X}
 $\backslash\mathrm{overleftarrow}$ applied on x, X is rendered as $\overleftarrow{x}, \overleftarrow{X}$
 $\backslash\mathrm{overleftrightharpoon}$ applied on x, X is rendered as $\overleftrightharpoon{x}, \overleftrightharpoon{X}$
 $\backslash\mathrm{overline}$ applied on x, X is rendered as $\overline{x}, \overline{X}$
 $\backslash\mathrm{overrightarrow}$ applied on x, X is rendered as $\overrightarrow{x}, \overrightarrow{X}$
 $\backslash\mathrm{textbf}$ applied on x, X is rendered as \mathbf{x}, \mathbf{X}
 $\backslash\mathrm{textit}$ applied on x, X is rendered as x, X
 $\backslash\mathrm{textrm}$ applied on x, X is rendered as x, X
 $\backslash\mathrm{textsf}$ applied on x, X is rendered as x, X
 $\backslash\mathrm{texttt}$ applied on x, X is rendered as \mathtt{x}, \mathtt{X}
 $\backslash\mathrm{tilde}$ applied on x, X is rendered as \tilde{x}, \tilde{X}
 $\backslash\mathrm{underline}$ applied on x, X is rendered as $\underline{x}, \underline{X}$
 $\backslash\mathrm{vec}$ applied on x, X is rendered as \vec{x}, \vec{X}
 $\backslash\mathrm{widehat}$ applied on x, X is rendered as \hat{x}, \hat{X}
 $\backslash\mathrm{widetilde}$ applied on x, X is rendered as $\widetilde{x}, \widetilde{X}$
 $\backslash\mathrm{xcancel}$ applied on x, X is rendered as \cancel{x}, \cancel{X}
 $\backslash\mathrm{xleftarrow}$ applied on x, X is rendered as $\overset{x}{\underset{\scriptscriptstyle\mathrm{m}}{\mathrel{\rightarrow}}}, \overset{X}{\underset{\scriptscriptstyle\mathrm{m}}{\mathrel{\rightarrow}}}$

`\xrightarrow` applied on x, X is rendered as $\overset{x}{\xrightarrow{\text{TM}}}$, $\overset{X}{\xrightarrow{\text{TM}}}$

Chapter 2

List of all commands supported

Chapter 2 lists all commands allowed by texvcjs.

2.1 Group `big_literals`

`\Big` is rendered as \Big

`\Bigg` is rendered as \Bigg

`\Biggl` is rendered as \Biggl

`\Biggr` is rendered as \Biggr

`\Bigl` is rendered as \Bigl

`\Bigr` is rendered as \Bigr

`\big` is rendered as \big

`\bigg` is rendered as \bigg

`\biggl` is rendered as \biggl

`\biggr` is rendered as $\bigg($

`\bigl` is rendered as $\bigl($

`\bigr` is rendered as $\bigr($

2.2 **Group** box_functi ons

`\hbox` is rendered as x

`\mbox` is rendered as x

`\text` is rendered as x

`\vbox` is rendered as x

2.3 **Group** col or_functi on

`\color` is rendered as *red*

`\pagecolor` is not rendered.

2.4 **Group** decl h_functi on

`\bf` is rendered as

`\cal` is rendered as \mathcal{A}

`\it` is rendered as

`\rm` is rendered as \mathbb{R}

2.5 **Group** defi necol or_functi on

`\definecolor` is rendered as

2.6 **Group** fun_ar1

`\acute` is rendered as \acute{x}

`\bar` is rendered as \bar{x}

`\bcancel` is rendered as \cancel{x}
`\bmod` is rendered as $\bmod x$
`\boldsymbol` is rendered as \boldsymbol{x}
`\breve` is rendered as \breve{x}
`\cancel` is rendered as \cancel{x}
`\check` is rendered as \check{x}
`\ddot` is rendered as \ddot{x}
`\dot` is rendered as \dot{x}
`\emph` is rendered as x
`\grave` is rendered as \grave{x}
`\hat` is rendered as \hat{x}
`\hphantom` is rendered as
`\mathcal` is rendered as \mathcal{x}
`\mathclose` is rendered as \mathclose{x}
`\mathfrak` is rendered as \mathfrak{x}
`\mathit` is rendered as x
`\mathopen` is rendered as \mathopen{x}
`\mathord` is rendered as \mathord{x}
`\mathpunct` is rendered as \mathpunct{x}
`\mathsf` is rendered as x
`\mathtt` is rendered as \mathtt{x}
`\overleftarrow` is rendered as \overleftarrow{x}
`\overleftrightharpoon` is rendered as \overleftrightharpoon{x}
`\overline` is rendered as \overline{x}
`\overrightarrow` is rendered as \overrightarrow{x}
`\phantom` is rendered as
`\pmod` is rendered as \pmod{x}

`\sqrt` is rendered as \sqrt{x}
`\textbf` is rendered as **x**
`\textit` is rendered as *x*
`\textrm` is rendered as x
`\textsf` is rendered as **x**
`\texttt` is rendered as `x`
`\tilde` is rendered as \tilde{x}
`\underline` is rendered as x
`\vec` is rendered as \vec{x}
`\vphantom` is rendered as
`\widehat` is rendered as \widehat{x}
`\widetilde` is rendered as \widetilde{x}
`\xcancel` is rendered as ~~x~~

2.7 Group fun_ar1nb

`\mathbb` is rendered as \mathbb{x}
`\mathbf` is rendered as **x**
`\mathbin` is rendered as x
`\mathop` is rendered as x
`\mathrel` is rendered as x
`\mathrm` is rendered as x
`\operatorname` is rendered as x
`\overarc` is rendered as \widehat{x}
`\overbrace` is rendered as \overbrace{x}
`\underbrace` is rendered as \underbrace{x}
`\xleftarrow` is rendered as $\overset{x}{\leftarrow}$

`\xrightarrow` is rendered as $\overset{x}{\rightarrow}$

2.8 Group `fun_ar1opt`

`\sqrt` is rendered as \sqrt{x}

`\xleftarrow` is rendered as $\overset{x}{\leftarrow}$

`\xrightarrow` is rendered as $\overset{x}{\rightarrow}$

2.9 Group `fun_ar2`

`\binom` applied on xx is rendered as $\binom{x}{x}$

`\cancelto` applied on xx is rendered as $x\cancel{\rightarrow}^x$

`\cfrac` applied on xx is rendered as $\frac{x}{x}$

`\dbinom` applied on xx is rendered as $\dbinom{x}{x}$

`\dfrac` applied on xx is rendered as $\dfrac{x}{x}$

`\frac` applied on xx is rendered as $\frac{x}{x}$

`\overset` applied on xx is rendered as $\overset{x}{x}$

`\stackrel` applied on xx is rendered as $\overset{x}{x}$

`\tbinom` applied on xx is rendered as $\tbinom{x}{x}$

`\tfrac` applied on xx is rendered as $\tfrac{x}{x}$

`\underset` applied on xx is rendered as $\underset{x}{x}$

2.10 Group `fun_ar2nb`

`\sideset` applied on ${}^{24}_{13}\Sigma$ is rendered as ${}^2_1\Sigma^4_3$

2.11 Group `fun_infix`

`\atop` applied on x, y is rendered as $\frac{x}{y}$

`\choose` applied on x, y is rendered as $\binom{x}{y}$

`\over` applied on x, y is rendered as $\frac{x}{y}$

2.12 Group `fun_mhchem`

`\ce` is rendered as x

2.13 Group `hl_line_function`

`\hline` applied in a table is rendered as $\underline{x_{11} \quad x_{12}}$

2.14 Group `latex_function_names`

`\Pr` is rendered as \Pr

`\arccos` is rendered as \arccos

`\arcsin` is rendered as \arcsin

`\arctan` is rendered as \arctan

`\arg` is rendered as \arg

`\cos` is rendered as \cos

`\cosh` is rendered as \cosh

`\cot` is rendered as \cot

`\coth` is rendered as \coth

`\csc` is rendered as \csc

`\deg` is rendered as \deg

`\det` is rendered as \det

`\dim` is rendered as \dim

`\exp` is rendered as \exp

\gcd is rendered as \gcd
 \hom is rendered as \hom
 \inf is rendered as \inf
 \ker is rendered as \ker
 \lg is rendered as \lg
 \lim is rendered as \lim
 \liminf is rendered as \liminf
 \limsup is rendered as \limsup
 \ln is rendered as \ln
 \log is rendered as \log
 \max is rendered as \max
 \min is rendered as \min
 \sec is rendered as \sec
 \sin is rendered as \sin
 \sinh is rendered as \sinh
 \sup is rendered as \sup
 \tan is rendered as \tan
 \tanh is rendered as \tanh

2.15 Group left_function

\left is rendered as $($

2.16 Group mediawi_ki_function_names

$\operatorname{arccot} y$ is rendered as $\operatorname{arccot} y$
 $\operatorname{arccsc} y$ is rendered as $\operatorname{arccsc} y$
 $\operatorname{arcsec} y$ is rendered as $\operatorname{arcsec} y$
 $\operatorname{sen} y$ is rendered as $\operatorname{sen} y$

`\sgn` is rendered as $\operatorname{sgn} y$

2.17 **Group** `mhchem_bond`

`\bond` is rendered as $-$

2.18 **Group** `mhchem_macro_1p`

`\ce` is rendered as x

`\mathbf` is rendered as \mathbf{x}

2.19 **Group** `mhchem_macro_2p`

`\frac` applied on xx is rendered as $\frac{x}{x}$

`\overset` applied on xx is rendered as $\overset{x}{x}$

`\underset` applied on xx is rendered as $\underset{x}{x}$

2.20 **Group** `mhchem_macro_2pc`

`\color` is rendered as red

2.21 **Group** `mhchem_macro_2pu`

`\underbrace` is rendered as \underbrace{x}

2.22 **Group** `mhchem_single_macro`

`\Alpha` is rendered as A

`\Beta` is rendered as B

`\Chi` is rendered as X

`\Delta` is rendered as Δ

`\Epsilon` is rendered as E

`\Eta` is rendered as H

`\Gamma` is rendered as Γ

`\Iota` is rendered as I

`\Kappa` is rendered as K

`\Lambda` is rendered as Λ

`\Mu` is rendered as M

`\Nu` is rendered as N

`\Omega` is rendered as Ω

`\Omicron` is rendered as O

`\Phi` is rendered as Φ

`\Pi` is rendered as Π

`\Psi` is rendered as Ψ

`\Rho` is rendered as P

`\Sigma` is rendered as Σ

`\Tau` is rendered as T

`\Theta` is rendered as Θ

`\Upsilon` is rendered as Υ

`\Zeta` is rendered as Z

`\alpha` is rendered as α

`\approx` is rendered as \approx

`\beta` is rendered as β

`\ca` was never used.

<https://phabricator.wikimedia.org/T323878>

`\chi` is rendered as χ

`\circ` is rendered as \circ

`\delta` is rendered as δ

`\epsilon` is rendered as ϵ

`\eta` is rendered as η

\backslash gamma is rendered as γ
 \backslash iota is rendered as ι
 \backslash kappa is rendered as κ
 \backslash lambda is rendered as λ
 \backslash mu is rendered as μ
 \backslash nu is rendered as ν
 \backslash omega is rendered as ω
 \backslash omicron is rendered as \omicron
 \backslash phi is rendered as φ
 \backslash pi is rendered as π
 \backslash pm is rendered as \pm
 \backslash psi is rendered as ψ
 \backslash rho is rendered as ρ
 \backslash sigma is rendered as σ
 \backslash tau is rendered as τ
 \backslash theta is rendered as ϑ
 \backslash upsilon is rendered as υ
 \backslash varepsilon is rendered as ϵ
 \backslash varkappa is rendered as κ
 \backslash varphi is rendered as φ
 \backslash varpi is rendered as ϖ
 \backslash varrho is rendered as ϱ
 \backslash varsigma is rendered as ς
 \backslash vartheta is rendered as ϑ
 \backslash zeta is rendered as ζ

2.23 Group nul l ary_macro

`\And` is rendered as ς

`\Bbbk` is rendered as \mathbb{k}

`\Box` is rendered as \square

`\Bumpeq` is rendered as \approx

`\Cap` is rendered as \mathfrak{m}

`\Cup` is rendered as \mathfrak{w}

`\Delta` is rendered as Δ

`\Diamond` is rendered as \diamond

`\Finv` is rendered as \dashv

`\Game` is rendered as \mathfrak{O}

`\Gamma` is rendered as Γ

`\Im` is rendered as \mathfrak{I}

`\Lambda` is rendered as Λ

`\Leftarrow` is rendered as \times

`\Leftrightarrow` is rendered as \hat{U}

`\Lleftarrow` is rendered as \acute{A}

`\Longleftarrow` is rendered as \Leftarrow

`\Longleftrightarrow` is rendered as \Leftrightarrow

`\Longrightarrow` is rendered as \Rightarrow

`\Lsh` is rendered as \cdot

`\Omega` is rendered as Ω

`\P` is rendered as \mathbb{P}

`\Phi` is rendered as Φ

`\Pi` is rendered as Π

`\Psi` is rendered as Ψ

`\Re` is rendered as \mathfrak{R}

`\Rightarrow` is rendered as \rightarrow
`\Rrightarrow` is rendered as \rightharpoonup
`\Rsh` is rendered as \rsh
`\S` is rendered as \S
`\Sigma` is rendered as Σ
`\Subset` is rendered as \Subset
`\Supset` is rendered as \Supset
`\Theta` is rendered as Θ
`\Upsilon` is rendered as Υ
`\Vdash` is rendered as \Vdash
`\Vvdash` is rendered as \Vvdash
`\Xi` is rendered as Ξ
`\aleph` is rendered as \aleph
`\alpha` is rendered as α
`\amalg` is rendered as \amalg
`\angle` is rendered as \angle
`\approx` is rendered as \approx
`\approxeq` is rendered as \approxeq
`\ast` is rendered as \ast
`\asymp` is rendered as \asymp
`\backepsilon` is rendered as \backepsilon
`\backprime` is rendered as \backprime
`\backsim` is rendered as \backsim
`\backsimeq` is rendered as \backsimeq
`\barwedge` is rendered as \barwedge
`\because` is rendered as \because
`\beta` is rendered as β

`\beth` is rendered as \beth
`\between` is rendered as \between
`\bigcap` is rendered as \bigcap
`\bigcirc` is rendered as \bigcirc
`\bigcup` is rendered as \bigcup
`\bigodot` is rendered as \bigodot
`\bigoplus` is rendered as \bigoplus
`\bigotimes` is rendered as \bigotimes
`\bigsqcup` is rendered as \bigsqcup
`\bigstar` is rendered as \bigstar
`\bigtriangledown` is rendered as \bigtriangledown
`\bigtriangleup` is rendered as \bigtriangleup
`\biguplus` is rendered as \biguplus
`\bigvee` is rendered as \bigvee
`\bigwedge` is rendered as \bigwedge
`\blacklozenge` is rendered as \blacklozenge
`\blacksquare` is rendered as \blacksquare
`\blacktriangle` is rendered as \blacktriangle
`\blacktriangledown` is rendered as \blacktriangledown
`\blacktriangleleft` is rendered as \blacktriangleleft
`\blacktriangleright` is rendered as \blacktriangleright
`\bot` is rendered as \bot
`\bowtie` is rendered as \bowtie
`\boxdot` is rendered as \boxdot
`\boxminus` is rendered as \boxminus
`\boxplus` is rendered as \boxplus
`\boxtimes` is rendered as \boxtimes

`\bullet` is rendered as \bullet
`\bumpeq` is rendered as \bumpeq
`\cap` is rendered as \cap
`\cdot` is rendered as \cdot
`\cdots` is rendered as \cdots
`\centerdot` is rendered as \cdot
`\checkmark` is rendered as \checkmark
`\chi` is rendered as χ
`\circ` is rendered as \circ
`\circeq` is rendered as $\overset{\circ}{=}$
`\circlearrowleft` is rendered as \curvearrowleft
`\circlearrowright` is rendered as \curvearrowright
`\circledS` is rendered as \textcircled{S}
`\circledast` is rendered as $\textcircled{*}$
`\circledcirc` is rendered as $\textcircled{\circ}$
`\circleddash` is rendered as \ominus
`\clubsuit` is rendered as \clubsuit
`\colon` is rendered as $:$
`\complement` is rendered as \complement
`\cong` is rendered as \cong
`\coprod` is rendered as \coprod
`\cup` is rendered as \cup
`\curlyeqprec` is rendered as \curlyeqprec
`\curlyeqsucc` is rendered as \curlyeqsucc
`\curlyvee` is rendered as \curlyvee
`\curlywedge` is rendered as \curlywedge
`\curvearrowleft` is rendered as \curvearrowleft

`\curvearrowright` is rendered as \curvearrowright

`\dagger` is rendered as \dagger

`\daleth` is rendered as \daleth

`\dashv` is rendered as \dashv

`\ddagger` is rendered as \ddagger

`\ddots` is rendered as \ddots

`\delta` is rendered as δ

`\diagdown` is rendered as \diagdown

`\diagup` is rendered as \diagup

`\diamond` is rendered as \diamond

`\diamondsuit` is rendered as \diamondsuit

`\digamma` is rendered as \digamma

`\displaystyle` is rendered as
$$\quad$$

`\div` is rendered as \div

`\divideontimes` is rendered as \divideontimes

`\doteq` is rendered as \doteq

`\doteqdot` is rendered as \doteqdot

`\dotplus` is rendered as \dotplus

`\dots` is rendered as \dots

`\dotsb` is rendered as \dotsb

`\dotsc` is rendered as \dotsc

`\dotsi` is rendered as \dotsi

`\dotsm` is rendered as \dotsm

`\dotso` is rendered as \dotso

`\doublebarwedge` is rendered as $\overline{\wedge}$

`\downdownarrows` is rendered as \downdownarrows

`\downharpoonleft` is rendered as \downharpoonleft

`\downharpoonright` is rendered as \Downarrow

`\ell` is rendered as ℓ

`\emptyset` is rendered as \emptyset

`\epsilon` is rendered as ϵ

`\eqcirc` is rendered as \circ

`\eqsim` is rendered as \sim

`\eqslantgtr` is rendered as \gtrless

`\eqslantless` is rendered as \lessgtr

`\equiv` is rendered as \equiv

`\eta` is rendered as η

`\eth` is rendered as \eth

`\exists` is rendered as \exists

`\fallingdotseq` is rendered as \fallingdotseq

`\flat` is rendered as \flat

`\forall` is rendered as \forall

`\frown` is rendered as \frown

`\gamma` is rendered as γ

`\geq` is rendered as \geq

`\geqq` is rendered as \geqq

`\geqslant` is rendered as \geqslant

`\gtr` is rendered as \gtr

`\gg` is rendered as \gg

`\ggg` is rendered as \ggg

`\gimel` is rendered as \gimel

`\gtrapprox` is rendered as \gtrapprox

`\gneq` is rendered as \gneq

`\gneqq` is rendered as \gneqq

`\gnsim` is rendered as \gtrsim
`\gtrapprox` is rendered as \gtrapprox
`\gtrdot` is rendered as \gtrdot
`\gtreqless` is rendered as \gtrless
`\gtreqqlless` is rendered as \gtrless
`\gtrless` is rendered as \gtrless
`\gtrsim` is rendered as \gtrsim
`\gvertneqq` is rendered as \gtrneqq
`\hbar` is rendered as \hbar
`\heartsuit` is rendered as \heartsuit
`\hookleftarrow` is rendered as \hookleftarrow
`\hookrightarrow` is rendered as \hookrightarrow
`\hslash` is rendered as \hslash
`\iff` is rendered as \iff
`\iiint` is rendered as \iiint
`\iint` is rendered as \iint
`\int` is rendered as \int
`\imath` is rendered as \imath
`\implies` is rendered as \implies
`\in` is rendered as \in
`\infty` is rendered as ∞
`\injl` is rendered as inj lim
`\int` is rendered as \int
`\intBar` is rendered as \intBar
`\intbar` is rendered as \intbar
`\intercal` is rendered as \intercal
`\iota` is rendered as ι

`\jmath` is rendered as j
`\kappa` is rendered as κ
`\lVert` is rendered as $\|$
`\lambda` is rendered as λ
`\land` is rendered as \wedge
`\ldots` is rendered as \dots
`\leftarrow` is rendered as \leftarrow
`\leftarrowtail` is rendered as \leftarrowtail
`\leftharpoondown` is rendered as \leftharpoondown
`\leftharpoonup` is rendered as \leftharpoonup
`\leftleftarrows` is rendered as \longleftrightarrow
`\leftrightarrow` is rendered as \rightharpoonleft
`\leftrightharpoons` is rendered as \leftrightharpoons
`\leftrightsquigarrow` is rendered as \leftrightsquigarrow
`\leftthreetimes` is rendered as \leftthreetimes
`\leq` is rendered as \leq
`\leqq` is rendered as \leqslant
`\leqslant` is rendered as \leqslant
`\lessapprox` is rendered as \lessapprox
`\lessdot` is rendered as \lessdot
`\lesseqgtr` is rendered as \lesseqgtr
`\lesseqqgtr` is rendered as \lesseqqgtr
`\lessgtr` is rendered as \lessgtr
`\lesssim` is rendered as \lesssim
`\limits` is rendered for example as \bigcap_a^b
`\ll` is rendered as \ll

`\lll` is rendered as \lll
`\lnapprox` is rendered as \lesssim
`\lneq` is rendered as \lessneq
`\lneqq` is rendered as \lessapprox
`\lnot` is rendered as \neg
`\lnsim` is rendered as \lesssim
`\longleftarrow` is rendered as \longleftarrow
`\longlefttrightarrow` is rendered as \longleftrightarrow
`\longmapsto` is rendered as \longmapsto
`\longrightarrow` is rendered as \longrightarrow
`\looparrowleft` is rendered as \circlearrowleft
`\looparrowright` is rendered as \circlearrowright
`\lor` is rendered as \vee
`\lozenge` is rendered as \diamond
`\ltimes` is rendered as \ltimes
`\lvertneqq` is rendered as \nlessapprox
`\mapsto` is rendered as \mapsto
`\measuredangle` is rendered as \measuredangle
`\mho` is rendered as \mho
`\mid` is rendered as \mid
`\mod` is rendered as \bmod
`\models` is rendered as \models
`\mp` is rendered as \mp
`\mu` is rendered as μ
`\multimap` is rendered as \multimap
`\nLeftarrow` is rendered as \nLeftarrow
`\nLeftrightarrow` is rendered as \nLeftrightarrow

`\nrightarrow` is rendered as \nrightarrow
`\nVDash` is rendered as \nVdash
`\nVdash` is rendered as \nVdash
`\nabla` is rendered as ∇
`\natural` is rendered as \natural
`\ncong` is rendered as \ncong
`\nearrow` is rendered as \nearrow
`\neg` is rendered as \neg
`\neq` is rendered as \neq
`\nexists` is rendered as \nexists
`\ngeq` is rendered as \ngeq
`\ngeqq` is rendered as \ngeqq
`\ngeqslant` is rendered as \ngeqslant
`\ngtr` is rendered as \ngtr
`\ni` is rendered as \ni
`\nleftarrow` is rendered as \nleftarrow
`\nleftrightarrow` is rendered as \nleftrightarrow
`\nleq` is rendered as \nleq
`\nleqq` is rendered as \nleqq
`\nleqslant` is rendered as \nleqslant
`\nless` is rendered as \nless
`\nmid` is rendered as \nmid
`\nolimits` is rendered for example as \cap_a^b
`\not` is rendered as \not
`\notin` is rendered as \notin
`\nparallel` is rendered as \nparallel
`\nprec` is rendered as \nprec

$\backslash npreceq$ is rendered as \nprec
 $\backslash nrightarrow$ is rendered as \nrightarrow
 $\backslash nshortmid$ is rendered as \nmid
 $\backslash nshortparallel$ is rendered as \nparallel
 $\backslash nsim$ is rendered as \sim
 $\backslash nsubseteq$ is rendered as \nsubseteq
 $\backslash nsubseteqq$ is rendered as \nsubseteqq
 $\backslash nsucc$ is rendered as \succ
 $\backslash nsucceq$ is rendered as \succeq
 $\backslash nsupseteq$ is rendered as \nsupseteq
 $\backslash nsupseteqq$ is rendered as \nsupseteqq
 $\backslash ntriangleleft$ is rendered as \triangleleft
 $\backslash ntrianglelefteq$ is rendered as \trianglelefteq
 $\backslash ntriangleright$ is rendered as \triangleright
 $\backslash ntrianglerighteq$ is rendered as \trianglerighteq
 $\backslash nu$ is rendered as ν
 $\backslash nvDash$ is rendered as \nvDash
 $\backslash nvdash$ is rendered as \nvdash
 $\backslash nwarrow$ is rendered as \cdot
 $\backslash odot$ is rendered as \odot
 $\backslash oiiint$ is rendered as \iiint
 $\backslash oiint$ is rendered as \iint
 $\backslash oint$ is rendered as \oint
 $\backslash ointctrclockwise$ is rendered as \oint
 $\backslash omega$ is rendered as ω
 $\backslash ominus$ is rendered as \ominus
 $\backslash oplus$ is rendered as \oplus

`\oslash` is rendered as \oslash
`\otimes` is rendered as \otimes
`\parallel` is rendered as \parallel
`\partial` is rendered as ∂
`\perp` is rendered as \perp
`\phi` is rendered as ϕ
`\pi` is rendered as π
`\pitchfork` is rendered as \pitchfork
`\pm` is rendered as \pm
`\prec` is rendered as \prec
`\precapprox` is rendered as \precapprox
`\preccurlyeq` is rendered as \preccurlyeq
`\preceq` is rendered as \preceq
`\precnapprox` is rendered as \precnapprox
`\precneqq` is rendered as \precneqq
`\precnsim` is rendered as \precnsim
`\precsim` is rendered as \precsim
`\prime` is rendered as \prime
`\prod` is rendered as \prod
`\projlim` is rendered as proj lim
`\propto` is rendered as \propto
`\psi` is rendered as ψ
`\quad` is rendered as \quad
`\quad` is rendered as \quad
`\rVert` is rendered as \rVert
`\rho` is rendered as ρ
`\rightarrow` is rendered as \rightarrow^{TM}

`\rightarrowtail` is rendered as \rightarrowtail
`\rightharpoondown` is rendered as \rightharpoondown
`\rightharpoonup` is rendered as \rightharpoonup
`\rightleftarrows` is rendered as \rightleftarrows
`\rightrightarrows` is rendered as \rightrightarrows
`\rightsquigarrow` is rendered as \rightsquigarrow
`\rightthreetimes` is rendered as \rightthreetimes
`\risingdotseq` is rendered as \risingdotseq
`\rtimes` is rendered as \rtimes
`\scriptscriptstyle` is rendered as \scriptscriptstyle
`\scriptstyle` is rendered as \scriptstyle
`\searrow` is rendered as \searrow
`\setminus` is rendered as \setminus
`\sharp` is rendered as \sharp
`\shortmid` is rendered as \shortmid
`\shortparallel` is rendered as \shortparallel
`\sigma` is rendered as σ
`\sim` is rendered as \sim
`\simeq` is rendered as \simeq
`\smallfrown` is rendered as \smallfrown
`\smallsetminus` is rendered as \smallsetminus
`\smallsmile` is rendered as \smallsmile
`\smile` is rendered as \smile
`\spadesuit` is rendered as \spadesuit
`\sphericalangle` is rendered as \sphericalangle
`\sqcap` is rendered as \sqcap
`\sqcup` is rendered as \sqcup

\sqsubset is rendered as \sqsubset
 \sqsubseteq is rendered as \sqsubseteq
 \sqsupset is rendered as \sqsupset
 \sqsupseteq is rendered as \sqsupseteq
 \square is rendered as \square
 \star is rendered as \star
 \subset is rendered as \subset
 \subseteq is rendered as \subseteq
 \subseteqq is rendered as \subseteqq
 \subsetneq is rendered as \subsetneq
 \subsetneqq is rendered as \subsetneqq
 \succ is rendered as \succ
 \succapprox is rendered as \succapprox
 \succcurlyeq is rendered as \succcurlyeq
 \succeq is rendered as \succeq
 \succnapprox is rendered as \succnapprox
 \succneqq is rendered as \succneqq
 \succnsim is rendered as \succnsim
 \succsim is rendered as \succsim
 \sum is rendered as \sum
 \supset is rendered as \supset
 \supseteq is rendered as \supseteq
 \supseteqq is rendered as \supseteqq
 \supsetneq is rendered as \supsetneq
 \supsetneqq is rendered as \supsetneqq
 \surd is rendered as \surd
 \swarrow is rendered as \swarrow

`\tau` is rendered as τ
`\textstyle` is rendered as \textstyle
`\therefore` is rendered as \therefore
`\theta` is rendered as θ
`\thickapprox` is rendered as \approx
`\thicksim` is rendered as \sim
`\times` is rendered as \times
`\to` is rendered as \rightarrow
`\top` is rendered as \top
`\triangle` is rendered as \triangle
`\triangledown` is rendered as ∇
`\triangleleft` is rendered as \triangleleft
`\trianglelefteq` is rendered as \trianglelefteq
`\triangleq` is rendered as \triangleq
`\triangleright` is rendered as \triangleright
`\trianglerighteq` is rendered as \trianglerighteq
`\upharpoonleft` is rendered as \upharpoonleft
`\upharpoonright` is rendered as \upharpoonright
`\uplus` is rendered as \uplus
`\upsilon` is rendered as υ
`\upuparrows` is rendered as \Uparrow
`\vDash` is rendered as \models
`\varDelta` is rendered as Δ
`\varGamma` is rendered as Γ
`\varLambda` is rendered as Λ
`\varOmega` is rendered as Ω
`\varPhi` is rendered as Φ

`\varPi` is rendered as Π
`\varSigma` is rendered as Σ
`\varTheta` is rendered as Θ
`\varUpsilon` is rendered as Υ
`\varXi` is rendered as Ξ
`\varepsilon` is rendered as ε
`\varinjlim` is rendered as \varinjlim
`\varkappa` is rendered as κ
`\varliminf` is rendered as \varliminf
`\varlimsup` is rendered as \varlimsup
`\varnothing` is rendered as \varnothing
`\varointclockwise` is rendered as \oint
`\varphi` is rendered as φ
`\varpi` is rendered as ϖ
`\varprojlim` is rendered as \varprojlim
`\varpropto` is rendered as \propto
`\varrho` is rendered as ϱ
`\varsigma` is rendered as ς
`\varsubsetneq` is rendered as \subsetneq
`\varsubsetneqq` is rendered as \subsetneqq
`\varsupsetneq` is rendered as \supsetneq
`\varsupsetneqq` is rendered as \supsetneqq
`\vartheta` is rendered as ϑ
`\vartriangle` is rendered as \triangle
`\vartriangleleft` is rendered as \triangleleft
`\vartriangleright` is rendered as \vartriangleright
`\vdash` is rendered as \vdash

`\vdots` is rendered as \vdots

`\vee` is rendered as \vee

`\veebar` is rendered as \veebar

`\vline` is rendered as \vline

`\wedge` is rendered as \wedge

`\wp` is rendered as \wp

`\wr` is rendered as \wr

`\xi` is rendered as ξ

`\zeta` is rendered as ζ

2.24 Group `\lary_macro_in_mbox`

`\AA` is rendered as \AA

`\Coppa` is rendered as \Coppa

`\Digamma` is rendered as \Digamma

`\Koppa` is rendered as \Koppa

`\Sampi` is rendered as \Sampi

`\Stigma` is rendered as \Stigma

`\coppa` is rendered as \coppa

`\euro` is rendered as \euro

`\geneuro` is rendered as \geneuro

`\geneuronarrow` is rendered as \geneuronarrow

`\geneurowide` is rendered as \geneurowide

`\koppa` is rendered as \koppa

`\officialeguro` is rendered as \officialeguro

`\sampi` is rendered as \sampi

`\stigma` is rendered as \stigma

`\textvisiblespace` is rendered as \textvisiblespace

`\varstigma` is rendered as Υ

2.25 Group `other_delimiters1`

`\Downarrow` is rendered as \Downarrow

`\Uparrow` is rendered as \Uparrow

`\Updownarrow` is rendered as \Updownarrow

`\Vert` is rendered as $\|$

`\backslash` is rendered as \backslash

`\downarrow` is rendered as \downarrow

`\langle` is rendered as \langle

`\lbrace` is rendered as $\{$

`\lbrack` is rendered as $[$

`\lceil` is rendered as \lceil

`\lfloor` is rendered as \lfloor

`\llcorner` is rendered as \llcorner

`\lrcorner` is rendered as \lrcorner

`\rangle` is rendered as \rangle

`\rbrace` is rendered as $\}$

`\rbrack` is rendered as $]$

`\rceil` is rendered as \rceil

`\rfloor` is rendered as \rfloor

`\rightleftharpoons` is rendered as \rightleftharpoons

`\twoheadleftarrow` is rendered as \twoheadleftarrow

`\twoheadrightarrow` is rendered as \twoheadrightarrow

`\ulcorner` is rendered as \ulcorner

`\uparrow` is rendered as \uparrow

`\updownarrow` is rendered as \updownarrow

`\urcorner` is rendered as \urcorner

`\vert` is rendered as \vert

2.26 Group `other_delimiters2`

`\Darr` is rendered as \Darr

`\Uarr` is rendered as \Uarr

`\dArr` is rendered as \dArr

`\darr` is rendered as \darr

`\lang` is rendered as \lang

`\rang` is rendered as \rang

`\uArr` is rendered as \uArr

`\uarr` is rendered as \uarr

2.27 Group `right_function`

`\right` is rendered as \right