

MnSymbol – A Math Symbol Font

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MnSymbol is a font of mathematical symbols designed as companion to Adobe MinionPro, but it might also fit well to other renaissance or baroque faces. To use this font in a \LaTeX document you can issue the command

```
\usepackage{MnSymbol}
```

Interference with other packages. The MnSymbol package is incompatible with the amssymb and amsfonts packages. It automatically loads the amsmath and textcomp packages. If you want to pass options to these packages you can either put the corresponding `\usepackage` command before the `\usepackage{MnSymbol}` or you can include the options in the `\documentclass` command.

Options. The MnSymbol package supports the following options:

mnsy (default) selects MnSymbolS as calligraphic font.

cmsy selects the Computer Modern calligraphic font.

abx selects the experimental calligraphic font from the mathabx fonts. You need to have this font installed in order to use this option. mathabx contains also calligraphic lowercase letters, but the font is not quite finished yet.








































































































retainmissing Normally MnSymbol takes some of the missing symbols from the text font and it sets the remaining ones to `\undefined`. If you want to retain the old definitions of these symbols then you can use the option `retainmissing`.

Symbols. The MnSymbol package provides the following symbols.

Arrows

\rightarrow	<code>\rightarrow, \to</code>	\searrow	<code>\searrow</code>
\uparrow	<code>\uparrow</code>	\Rightarrow	<code>\Rightarrow</code>
\leftarrow	<code>\leftarrow, \gets</code>	\Uparrow	<code>\Uparrow</code>
\downarrow	<code>\downarrow</code>	\Leftarrow	<code>\Leftarrow</code>
\nearrow	<code>\nearrow</code>	\Downarrow	<code>\Downarrow</code>
\nwarrow	<code>\nwarrow</code>	\nearrow	<code>\Nearrow</code>
\swarrow	<code>\swarrow</code>	\nwarrow	<code>\Nwarrow</code>

* I'd like to thank Michael Zedler for his numerous suggestions.

	<code>\Svarrow</code>		<code>\rhookswarrow</code>
	<code>\Searrow</code>		<code>\rhooksearrow</code>
	<code>\leftrightarrow</code>		<code>\rightharpoonccw,</code>
	<code>\updownarrow</code>		<code>\rightharpoonup</code>
	<code>\neswarrow</code>		<code>\upharpoonccw, \upharpoonleft</code>
	<code>\nwsearrow</code>		<code>\leftharpoonccw,</code>
	<code>\Lefttrightarrow</code>		<code>\leftharpoonup</code>
	<code>\Updownarrow</code>		<code>\leftharpoonup</code>
	<code>\Neswarrow</code>		<code>\downharpoonccw,</code>
	<code>\Nwsearrow</code>		<code>\downharpoonright</code>
	<code>\twoheadrightarrow</code>		<code>\neharpoonccw</code>
	<code>\twoheaduparrow</code>		<code>\nwharpoonccw</code>
	<code>\twoheadleftarrow</code>		<code>\swharpoonccw</code>
	<code>\twoheaddownarrow</code>		<code>\seharpoonccw</code>
	<code>\twoheadnearrow</code>		<code>\rightharpooncw,</code>
	<code>\twoheadnwarrow</code>		<code>\rightharpoondown</code>
	<code>\twoheadswarrow</code>		<code>\upharpooncw, \upharpoonright,</code>
	<code>\twoheadsearrow</code>		<code>\restriction</code>
	<code>\rightarrowtail</code>		<code>\leftharpooncw, \leftharpoonup</code>
	<code>\uparrowtail</code>		<code>\downharpooncw,</code>
	<code>\leftarrowtail</code>		<code>\downharpoonleft</code>
	<code>\downarrowtail</code>		<code>\neharpooncw</code>
	<code>\nearrowtail</code>		<code>\nwharpooncw</code>
	<code>\nwarrowtail</code>		<code>\swharpooncw</code>
	<code>\swarrowtail</code>		<code>\seharpooncw</code>
	<code>\searrowtail</code>		<code>\leftrightharpoonupdown</code>
	<code>\rightmapsto, \mapsto</code>		<code>\updownharpoonleftright</code>
	<code>\upmapsto</code>		<code>\neswharpoonnwse</code>
	<code>\leftmapsto</code>		<code>\nwseharpoonnesw</code>
	<code>\downmapsto</code>		<code>\leftrightharpoondownup</code>
	<code>\nemapsto</code>		<code>\updownharpoonrightleft</code>
	<code>\nwmapsto</code>		<code>\neswharpoonsenw</code>
	<code>\swmapsto</code>		<code>\nwseharpoonswnw</code>
	<code>\semapsto</code>		<code>\rightleftharpoons</code>
	<code>\lhookrightarrow, \hookrightarrow</code>		<code>\updownharpoons</code>
	<code>\lhookuparrow</code>		<code>\neswharpoons</code>
	<code>\lhookleftarrow</code>		<code>\senwharpoons</code>
	<code>\lhookdownarrow</code>		<code>\leftrightharpoons</code>
	<code>\lhooknearrow</code>		<code>\downupharpoons</code>
	<code>\lhooknwarrow</code>		<code>\swneharpoons</code>
	<code>\lhookswarrow</code>		<code>\nwseharpoons</code>
	<code>\lhooksearrow</code>		<code>\dashedrightarrow, \dashedarrow</code>
	<code>\rhookrightarrow</code>		<code>\dashedrightarrow, \dashedarrow</code>
	<code>\rhookuparrow</code>		<code>\dasheduparrow</code>
	<code>\rhookleftarrow, \hookleftarrow</code>		<code>\dashedleftarrow</code>
	<code>\rhookdownarrow</code>		<code>\dashedleftarrow</code>
	<code>\rhooknearrow</code>		<code>\dasheddownarrow</code>
	<code>\rhooknwarrow</code>		<code>\dashednearrow</code>
	<code>\rhookswarrow</code>		<code>\dashednearrow</code>
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			<code>\dashedswarrow</code>
			<code>\dashedsearrow</code>





	<code>\rightspoon, \multimap</code>		<code>\neswarrows</code>
	<code>\upspoon</code>		<code>\nwsearrows</code>
	<code>\leftspoon</code>		<code>\leftrightarrows</code>
	<code>\downspoon</code>		<code>\downuparrows</code>
	<code>\nespoon</code>		<code>\swnearrows</code>
	<code>\nwspoon</code>		<code>\senwarrows</code>
	<code>\swspoon</code>		<code>\rightlsquigarrow, \leadsto, \rightsquigarrow</code>
	<code>\sespoon</code>		<code>\uplsquigarrow</code>
	<code>\rightfilledspoon</code>		<code>\leftlsquigarrow</code>
	<code>\upfilledspoon</code>		<code>\downlsquigarrow</code>
	<code>\leftfilledspoon</code>		<code>\nelsquigarrow</code>
	<code>\downfilledspoon</code>		<code>\nwlsquigarrow</code>
	<code>\nefilledspoon</code>		<code>\swlsquigarrow</code>
	<code>\nwfilledspoon</code>		<code>\selsquigarrow</code>
	<code>\swfilledspoon</code>		<code>\rightrsquigarrow</code>
	<code>\sefilledspoon</code>		<code>\uprsquigarrow</code>
	<code>\rightfootline</code>		<code>\leftrsquigarrow</code>
	<code>\upfootline</code>		<code>\downrsquigarrow</code>
	<code>\leftfootline</code>		<code>\nersquigarrow</code>
	<code>\downfootline</code>		<code>\nwrsquigarrow</code>
	<code>\nefootline</code>		<code>\swrsquigarrow</code>
	<code>\nwfootline</code>		<code>\sersquigarrow</code>
	<code>\swfootline</code>		<code>\squigarrowleftright, \leftrightsquigarrow</code>
	<code>\sefootline</code>		<code>\squigarrowupdown</code>
	<code>\rightfree</code>		<code>\squigarrowrightleft</code>
	<code>\upfree</code>		<code>\squigarrowdownup</code>
	<code>\leftfree</code>		<code>\squigarrownesw</code>
	<code>\downfree</code>		<code>\squigarrownwse</code>
	<code>\nefree</code>		<code>\squigarrowswne</code>
	<code>\nwfree</code>		<code>\squigarrowsenw</code>
	<code>\swfree</code>		<code>\lcurvearrowright, \curvearrowright</code>
	<code>\sefree</code>		<code>\lcurvearrowup</code>
	<code>\rightpitchfork</code>		<code>\lcurvearrowleft</code>
	<code>\uppitchfork, \pitchfork</code>		<code>\lcurvearrowdown</code>
	<code>\leftpitchfork</code>		<code>\lcurvearrowne</code>
	<code>\downpitchfork</code>		<code>\lcurvearrownw</code>
	<code>\nepitchfork</code>		<code>\lcurvearrowsw</code>
	<code>\nwpitchfork</code>		<code>\lcurvearrowse</code>
	<code>\swpitchfork</code>		<code>\rcurvearrowright</code>
	<code>\sepitchfork</code>		<code>\rcurvearrowup</code>
	<code>\righttrightarrows</code>		<code>\rcurvearrowleft, \curvearrowleft</code>
	<code>\upuparrows</code>		<code>\rcurvearrowdown</code>
	<code>\leftleftarrows</code>		<code>\rcurvearrowne</code>
	<code>\downdownarrows</code>		<code>\rcurvearrownw</code>
	<code>\nenearrows</code>		<code>\rcurvearrowsw</code>
	<code>\nwnwarrows</code>		<code>\rcurvearrowse</code>
	<code>\swswarrows</code>		
	<code>\sesearrows</code>		
	<code>\rightleftarrows</code>		
	<code>\updownarrows</code>		

	<code>\curvearrowleft</code>		<code>\swVdash</code>
	<code>\curvearrowup</code>		<code>\seVdash</code>
	<code>\curvearrowright</code>		<code>\rightModels, \VDash</code>
	<code>\curvearrowdown</code>		<code>\upModels</code>
	<code>\curvearrownesw</code>		<code>\leftModels</code>
	<code>\curvearrownwse</code>		<code>\downModels</code>
	<code>\curvearrowswne</code>		<code>\neModels</code>
	<code>\curvearrowsenw</code>		<code>\nwModels</code>
	<code>\leftrightline, \relbar</code>		<code>\swModels</code>
	<code>\updownline, \divides</code>		<code>\seModels</code>
	<code>\neswline, \diagup</code>		<code>\rcirclearrowright</code>
	<code>\nwseline, \diagdown</code>		<code>\rcirclearrowup,</code>
	<code>\Lefttrightline, \Relbar</code>		<code>\circlearrowleft</code>
	<code>\Updownline, \parallel</code>		<code>\rcirclearrowleft</code>
	<code>\Neswline</code>		<code>\rcirclearrowdown</code>
	<code>\Nwseline</code>		<code>\lcirclearrowright</code>
	<code>\rightvdash, \vdash</code>		<code>\lcirclearrowup,</code>
	<code>\upvdash, \perp</code>		<code>\circlearrowright</code>
	<code>\leftvdash, \dashv</code>		<code>\lcirclearrowleft</code>
	<code>\downvdash</code>		<code>\lcirclearrowdown</code>
	<code>\nevdash</code>		<code>\longrightarrow</code>
	<code>\nwvdash</code>		<code>\longleftarrow</code>
	<code>\swvdash</code>		<code>\longleftrightarrow</code>
	<code>\sevdash</code>		<code>\Longrightarrow</code>
	<code>\rightmodels, \models, \vdash</code>		<code>\Longleftarrow</code>
	<code>\upmodels</code>		<code>\Longleftrightarrow</code>
	<code>\leftmodels</code>		<code>\longmapsto</code>
	<code>\downmodels</code>		<code>\emptyfilledspoon</code>
	<code>\neModels</code>		<code>\filledemptyspoon</code>
	<code>\nwModels</code>		<code>\largeemptyfilledspoon</code>
	<code>\swModels</code>		<code>\largefilledemptyspoon</code>
	<code>\seModels</code>		<code>\rightarrow</code>
	<code>\rightVdash, \Vdash</code>		<code>\leftarrow</code>
	<code>\upVdash</code>		<code>\Rsh</code>
	<code>\leftVdash</code>		<code>\Lsh</code>
	<code>\downVdash</code>		<code>\looparrowright</code>
	<code>\neVdash</code>		<code>\looparrowleft</code>
	<code>\nwVdash</code>		<code>\Vdash</code>

Negated arrows

	<code>\nrightarrow, \nrightarrow</code>		<code>\nrightarrow</code>
	<code>\nuparrow</code>		<code>\nuparrow</code>
	<code>\nleftarrow, \nleftarrow</code>		<code>\nleftarrow</code>
	<code>\ndownarrow</code>		<code>\ndownarrow</code>
	<code>\nnearrow</code>		<code>\nnearrow</code>
	<code>\nnwarrow</code>		<code>\nnwarrow</code>
	<code>\nswarrow</code>		<code>\nswarrow</code>
	<code>\nsearrow</code>		<code>\nsearrow</code>

\leftrightarrow	<code>\nlefttrightharrow</code>	\nrightarrow	<code>\nrightharpoonccw,</code>
\updownarrow	<code>\nupdownarrow</code>		<code>\nrightharpoonup</code>
\nearrow	<code>\nneswarrow</code>	\upharpoonleft	<code>\nupharpoonccw,</code>
\nwarrow	<code>\nnwsearrow</code>		<code>\nupharpoonleft</code>
\leftrightarrow	<code>\nLefttrightharrow</code>	\nleftarrow	<code>\nleftharpoonccw,</code>
\updownarrow	<code>\nUpdownarrow</code>		<code>\nleftharpoondown</code>
\nearrow	<code>\nNeswarrow</code>	\downharpoonleft	<code>\ndownharpoonccw,</code>
\nwarrow	<code>\nNwsearrow</code>		<code>\ndownharpoonright</code>
\twoheadrightarrow	<code>\ntwoheadrightarrow</code>	\nearrow	<code>\nneharpoonccw</code>
\twoheaduparrow	<code>\ntwoheaduparrow</code>	\nwarrow	<code>\nnwharpoonccw</code>
\twoheadleftarrow	<code>\ntwoheadleftarrow</code>	\nearrow	<code>\nswharpoonccw</code>
\twoheaddownarrow	<code>\ntwoheaddownarrow</code>	\nwarrow	<code>\nseharpoonccw</code>
\nearrow	<code>\ntwoheadnearrow</code>	\nrightarrow	<code>\nrightharpooncw,</code>
\nwarrow	<code>\ntwoheadnwarrow</code>		<code>\nrightharpoondown</code>
\nearrow	<code>\ntwoheadswarrow</code>	\upharpoonleft	<code>\nupharpooncw,</code>
\nwarrow	<code>\ntwoheadsearrow</code>		<code>\nupharpoonright,</code>
\rightarrowtail	<code>\nrightharrowtail</code>		<code>\nrestriction</code>
\uparrowtail	<code>\nuparrowtail</code>	\nleftarrow	<code>\nleftharpooncw,</code>
\leftarrowtail	<code>\nleftarrowtail</code>		<code>\nleftharpoonup</code>
\downarrowtail	<code>\ndownarrowtail</code>	\downharpoonleft	<code>\ndownharpooncw,</code>
\nearrowtail	<code>\nnearrowtail</code>		<code>\ndownharpoonleft</code>
\nwarrowtail	<code>\nnwarrowtail</code>	\nearrow	<code>\nneharpooncw</code>
\nearrowtail	<code>\nswarrowtail</code>	\nwarrow	<code>\nnwharpooncw</code>
\nwarrowtail	<code>\nsearrowtail</code>	\nearrow	<code>\nswharpooncw</code>
\mapsto	<code>\nrighmapsto,\nmapsto</code>	\nwarrow	<code>\nseharpooncw</code>
\upmapsto	<code>\nupmapsto</code>	\leftrightarrow	<code>\nlefttrightharpoonupdown</code>
\leftmapsto	<code>\nleftmapsto</code>	\upharpoonleft	<code>\nupdownharpoonleftright</code>
\downmapsto	<code>\ndownmapsto</code>	\nearrow	<code>\nneswharpoonnwse</code>
\nearrow	<code>\nnemapsto</code>	\nwarrow	<code>\nnwseharpoonnesw</code>
\nwarrow	<code>\nnwmapsto</code>	\nrightarrow	<code>\nlefttrightharpoondownup</code>
\nearrow	<code>\nswmapsto</code>	\upharpoonleft	<code>\nupdownharpoonrightleft</code>
\nwarrow	<code>\nsemapsto</code>	\nearrow	<code>\nneswharpoonsenw</code>
\rightarrow	<code>\nlhookrightarrow,</code>	\nwarrow	<code>\nnwseharpoonswne</code>
	<code>\nhookrightarrow</code>	\nrightarrow	<code>\nrightharpoons</code>
\upharpoonleft	<code>\nlhookuparrow</code>	\upharpoonleft	<code>\nupdownharpoons</code>
\leftrightarrow	<code>\nlhookleftarrow</code>	\nearrow	<code>\nneswharpoons</code>
\downharpoonleft	<code>\nlhookdownarrow</code>	\nwarrow	<code>\nsenwharpoons</code>
\nearrow	<code>\nlhooknearrow</code>	\nrightarrow	<code>\nlefttrightharpoons</code>
\nwarrow	<code>\nlhooknwarrow</code>	\upharpoonleft	<code>\ndownupharpoons</code>
\nearrow	<code>\nlhookswarrow</code>	\nwarrow	<code>\nswneharpoons</code>
\nwarrow	<code>\nlhooksearrow</code>	\nwarrow	<code>\nnwseharpoons</code>
\rightarrow	<code>\nrhookrightarrow</code>	\rightarrow	<code>\ndashedrightarrow,</code>
\upharpoonleft	<code>\nrhookuparrow</code>		<code>\ndashrightarrow,</code>
\leftrightarrow	<code>\nrhookleftarrow,</code>		<code>\ndasharrow</code>
	<code>\nhookleftarrow</code>	\upharpoonleft	<code>\ndasheduparrow</code>
\downharpoonleft	<code>\nrhookdownarrow</code>	\leftrightarrow	<code>\ndashedleftarrow,</code>
\nearrow	<code>\nrhooknearrow</code>		<code>\ndashleftarrow</code>
\nwarrow	<code>\nrhooknwarrow</code>	\downharpoonleft	<code>\ndasheddownarrow</code>
\nearrow	<code>\nrhookswarrow</code>	\nearrow	<code>\ndashednearrow</code>
\nwarrow	<code>\nrhooksearrow</code>	\nwarrow	<code>\ndashednwarrow</code>

	<code>\ndashedswarrow</code>		<code>\nrightrightarrows</code>
	<code>\ndashedsearrow</code>		<code>\nupdownarrows</code>
	<code>\nrightrightarrows, \nmultimap</code>		<code>\nneswarrows</code>
	<code>\nupspoon</code>		<code>\nnwsearrows</code>
	<code>\nleftspoon</code>		<code>\nleftrightarrows</code>
	<code>\ndownspoon</code>		<code>\ndownuparrows</code>
	<code>\nnespoon</code>		<code>\nswnearrows</code>
	<code>\nnwspoon</code>		<code>\nsenwarrows</code>
	<code>\nswspoon</code>		<code>\nrightrightarrow, \nleadsto,</code>
	<code>\nsespoon</code>		<code>\nrightrightarrow</code>
	<code>\nrightrightarrow</code>		<code>\nuprightarrow</code>
	<code>\nupfilledspoon</code>		<code>\nleftleftarrow</code>
	<code>\nleftfilledspoon</code>		<code>\ndownrightarrow</code>
	<code>\ndownfilledspoon</code>		<code>\nnelsrightarrow</code>
	<code>\nnefilledspoon</code>		<code>\nnwlsrightarrow</code>
	<code>\nnwfilledspoon</code>		<code>\nswlsrightarrow</code>
	<code>\nswfilledspoon</code>		<code>\nselsrightarrow</code>
	<code>\nsefilledspoon</code>		<code>\nrightrightarrow</code>
	<code>\nrightrightarrow</code>		<code>\nuprightarrow</code>
	<code>\nupfootline</code>		<code>\nleftrightarrow</code>
	<code>\nleftfootline</code>		<code>\ndownrightarrow</code>
	<code>\ndownfootline</code>		<code>\nnersrightarrow</code>
	<code>\nnefootline</code>		<code>\nnwrsrightarrow</code>
	<code>\nnwfootline</code>		<code>\nswrsrightarrow</code>
	<code>\nswfootline</code>		<code>\nsersrightarrow</code>
	<code>\nsefootline</code>		<code>\nsquiggleleftright,</code>
	<code>\nrightrightarrow</code>		<code>\nsquiggleleftright,</code>
	<code>\nupfree</code>		<code>\nsquiggleupdown</code>
	<code>\nleftfree</code>		<code>\nsquiggleleftright</code>
	<code>\ndownfree</code>		<code>\nsquiggleupdown</code>
	<code>\nnefree</code>		<code>\nsquiggle downsw</code>
	<code>\nnwfree</code>		<code>\nsquiggle downnw</code>
	<code>\nswfree</code>		<code>\nsquiggle downswne</code>
	<code>\nsefree</code>		<code>\nsquiggle downswne</code>
	<code>\nrightrightarrow</code>		<code>\nsquiggle downswne</code>
	<code>\nuppitchfork, \npitchfork</code>		<code>\nsquiggle downswne</code>
	<code>\nleftpitchfork</code>		<code>\nsquiggle downswne</code>
	<code>\ndownpitchfork</code>		<code>\nsquiggle downswne</code>
	<code>\nnepitchfork</code>		<code>\nsquiggle downswne</code>
	<code>\nnwpitchfork</code>		<code>\nsquiggle downswne</code>
	<code>\nswpitchfork</code>		<code>\nsquiggle downswne</code>
	<code>\nsepitchfork</code>		<code>\nsquiggle downswne</code>
	<code>\nrightrightarrows</code>		<code>\nsquiggle downswne</code>
	<code>\nupuparrows</code>		<code>\nsquiggle downswne</code>
	<code>\nleftleftarrows</code>		<code>\nsquiggle downswne</code>
	<code>\ndowndownarrows</code>		<code>\nsquiggle downswne</code>
	<code>\nnene arrows</code>		<code>\nsquiggle downswne</code>
	<code>\nnwnw arrows</code>		<code>\nsquiggle downswne</code>
	<code>\nswsw arrows</code>		<code>\nsquiggle downswne</code>
	<code>\nsese arrows</code>		<code>\nsquiggle downswne</code>

	<code>\nrcurvearrowsw</code>		<code>\nnwmodels</code>
	<code>\nrcurvearrowse</code>		<code>\nswmodels</code>
	<code>\ncurvearrowleftright</code>		<code>\nsemodels</code>
	<code>\ncurvearrowupdown</code>		<code>\nrightVdash, \nVdash</code>
	<code>\ncurvearrowrightleft</code>		<code>\nupVdash</code>
	<code>\ncurvearrowdownup</code>		<code>\nleftVdash</code>
	<code>\ncurvearrownesw</code>		<code>\ndownVdash</code>
	<code>\ncurvearrownwse</code>		<code>\nneVdash</code>
	<code>\ncurvearrowswne</code>		<code>\nnwVdash</code>
	<code>\ncurvearrowswenw</code>		<code>\nswVdash</code>
	<code>\nleftrightline, \nrelbar</code>		<code>\nseVdash</code>
	<code>\nupdownline, \ndivides, \nmid</code>		<code>\nrightModels, \nVDash</code>
	<code>\nneswline, \ndiagup</code>		<code>\nupModels</code>
	<code>\nnwseline, \ndiagdown</code>		<code>\nleftModels</code>
	<code>\nLefttrightline, \nRelbar</code>		<code>\ndownModels</code>
	<code>\nUpdownline, \nparallel</code>		<code>\nneModels</code>
	<code>\nNeswline</code>		<code>\nnwModels</code>
	<code>\nNwseline</code>		<code>\nswModels</code>
	<code>\nrightvdash, \nvdash</code>		<code>\nseModels</code>
	<code>\nupvdash, \nperp</code>		<code>\nrcirculararrowright</code>
	<code>\nleftvdash, \ndashv</code>		<code>\nrcirculararrowup,</code>
	<code>\ndownvdash</code>		<code>\ncirculararrowleft</code>
	<code>\nnevddash</code>		<code>\nrcirculararrowleft</code>
	<code>\nnwvdash</code>		<code>\nrcirculararrowdown</code>
	<code>\nswvdash</code>		<code>\nlcirculararrowright</code>
	<code>\nsevdash</code>		<code>\nlcirculararrowup,</code>
	<code>\nrightmodels, \nmodels,</code>		<code>\ncirculararrowright</code>
	<code>\nvDash</code>		<code>\nlcirculararrowleft</code>
	<code>\nupmodels</code>		<code>\nlcirculararrowdown</code>
	<code>\nleftmodels</code>		<code>\nRrightarrow</code>
	<code>\ndownmodels</code>		<code>\nLleftarrow</code>
	<code>\nnemodels</code>		

Binary operators and letters

\cdot	<code>\cdot, \cdotdotp</code>	$::$	<code>\squaredots</code>
$\ddot{\cdot}$	<code>\cdotdotdot</code>	$\ddot{\cdot}$	<code>\fivedots</code>
$:$	<code>:, \cdotdotdot, \colon</code>	$-$	<code>-, \minus</code>
\cdot	<code>\cdotdotdot</code>	\mid	<code>\medvert, \shortmid</code>
\cdot	<code>\cdotdotdot</code>	$/$	<code>\medslash</code>
\cdots	<code>\hdots, \cdotdots</code>	\backslash	<code>\medbackslash, \setminus,</code>
\vdots	<code>\vdots</code>	\smallsetminus	<code>\smallsetminus</code>
\cdot	<code>\cdotdots</code>	$+$	<code>+, \plus</code>
\cdot	<code>\cdotdots</code>	\times	<code>\times</code>
\therefore	<code>\righttherefore</code>	\pm	<code>\pm</code>
\therefore	<code>\uptherefore, \therefore</code>	\mp	<code>\mp</code>
\therefore	<code>\lefttherefore</code>	$\dot{-}$	<code>\dotminus</code>
\therefore	<code>\downtherefore, \because</code>	\cdot	<code>\dotmedvert</code>
\diamond	<code>\diamonddots</code>	$\dot{-}$	<code>\minusdot</code>

\vdots	<code>\medvertdot</code>	\blacktriangleright	<code>\filledtrianglerightright,</code> <code>\blacktrianglerightright</code>
\div	<code>\div</code>	\blacktriangle	<code>\filledtriangleup</code>
$\%$	<code>\slashdiv</code>	\blacktriangleleft	<code>\filledtriangleleft,</code> <code>\blacktriangleleft</code>
\cdot	<code>\vertdiv</code>	\blacktriangledown	<code>\filledtriangledown</code>
$\%$	<code>\backslashslashdiv</code>	\triangleright	<code>\medtrianglerightright,</code> <code>\trianglerightright</code>
\neg	<code>\neg, \lnot, \minushookdown</code>	\triangle	<code>\medtriangleup, \triangle,</code> <code>\vartriangle, \bigtriangleup</code>
\neg	<code>\backneg, \hookdownminus</code>	\triangleleft	<code>\medtriangleleft,</code> <code>\triangleleft</code>
\times	<code>\dtimes</code>	\triangledown	<code>\medtriangledown,</code> <code>\bigtriangledown,</code> <code>\triangledown</code>
\times	<code>\rtimes</code>	\triangleright	<code>\largetriangleright</code>
\times	<code>\utimes</code>	\triangleup	<code>\largetriangleup</code>
\times	<code>\ltimes</code>	\triangleleft	<code>\largetriangleleft</code>
\bowtie	<code>\bowtie, \Join</code>	\triangledown	<code>\largetriangledown</code>
\bowtie	<code>\vertbowtie</code>	\circ	<code>\circ</code>
\succ	<code>\rightY</code>	\bullet	<code>\bullet</code>
\succ	<code>\upY</code>	\bigcirc	<code>\medcircle</code>
\prec	<code>\leftY</code>	\bigcirc	<code>\largecircle, \bigcirc</code>
\succ	<code>\downY</code>	\ominus	<code>\ominus, \circleddash</code>
\wedge	<code>\wedge, \land</code>	\oplus	<code>\oplus</code>
\vee	<code>\vee, \lor</code>	\oslash	<code>\oslash</code>
\wedge	<code>\wedgedot</code>	\oslash	<code>\obackslash</code>
\vee	<code>\veedot</code>	\oplus	<code>\oplus</code>
\wedge	<code>\doublewedge</code>	\otimes	<code>\otimes</code>
\vee	<code>\doublevee</code>	\odot	<code>\odot</code>
\wedge	<code>\curlywedge</code>	\odot	<code>\ocirc, \circledcirc</code>
\vee	<code>\curlyvee</code>	\otimes	<code>\otriangle</code>
\wedge	<code>\curlywedgedot</code>	\otimes	<code>\oast, \circledast</code>
\vee	<code>\curlyveedot</code>	\otimes	<code>\ostar</code>
\wedge	<code>\doublecurlywedge</code>	\emptyset	<code>\diameter, \emptyset,</code> <code>\varnothing</code>
\vee	<code>\doublecurlyvee</code>	\square	<code>\smallsquare</code>
\cup	<code>\cup</code>	\blacksquare	<code>\filledsquare</code>
\cap	<code>\cap</code>	\square	<code>\medsquare, \square, \Box</code>
\cup	<code>\doublecup, \Cup</code>	\square	<code>\largesquare</code>
\cap	<code>\doublecap, \Cap</code>	\diamond	<code>\smalldiamond, \diamond</code>
\cup	<code>\cupdot</code>	\blacklozenge	<code>\filleddiamond</code>
\cap	<code>\capdot</code>	\diamond	<code>\meddiamond, \Diamond</code>
\cup	<code>\cupplus, \uplus</code>	\diamond	<code>\largediamond</code>
\cap	<code>\capplus</code>	\boxminus	<code>\boxminus</code>
\sqcup	<code>\sqcup</code>	\boxplus	<code>\boxplus</code>
\sqcap	<code>\sqcap</code>	\boxtimes	<code>\boxtimes</code>
\sqcup	<code>\doublecup</code>		
\sqcap	<code>\doublecap</code>		
\sqcup	<code>\sqcupdot</code>		
\sqcap	<code>\sqcapdot</code>		
\sqcup	<code>\sqcupplus</code>		
\sqcap	<code>\sqcapplus</code>		
\triangleright	<code>\smalltrianglerightright</code>		
\triangleup	<code>\smalltriangleup</code>		
\triangleleft	<code>\smalltriangleleft</code>		
\triangledown	<code>\smalltriangledown</code>		

	<code>\boxdot</code>		<code>\exists</code>
	<code>\boxbox</code>		<code>\nexists</code>
	<code>\diamondminus</code>		<code>\nabla</code>
	<code>\diamondvert</code>	∞	<code>\infty</code>
	<code>\diamondslash</code>		<code>\smallint</code>
	<code>\diamondbackslash</code>		<code>\flat</code>
	<code>\diamondplus</code>		<code>\natural</code>
	<code>\diamondtimes</code>		<code>\sharp</code>
	<code>\diamonddot</code>		<code>\aleph</code>
	<code>\diamondddiamond</code>		<code>\beth</code>
	<code>\smallstar</code>		<code>\gimel</code>
	<code>\filledstar</code>		<code>\daleth</code>
	<code>\medstar</code>		<code>\wp</code>
	<code>\largestar</code>		<code>\powerset</code>
	<code>\pentagram</code>		<code>\invneg, \minushookup</code>
	<code>\largepentagram</code>		<code>\invbackneg, \hookupminus</code>
	<code>\thinstar, \star</code>		<code>\lefthalfcup</code>
	<code>*, \ast</code>		<code>\righthalfcup</code>
∞	<code>\hbarpropto</code>		<code>\lefthalfcap</code>
	<code>\neswbipropto</code>		<code>\righthalfcap</code>
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	<code>\nwsewipropto</code>		<code>\closedcurlywedge</code>
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	<code>\downpropto</code>		<code>\closedcurlyvee</code>
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	<code>\uppropto</code>		<code>\upslice</code>
\times	<code>\hccrossing</code>		<code>\leftslice</code>
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	<code>\between</code>		<code>\medlozenge, \lozenge</code>
	<code>\separated</code>		<code>\filledmedlozenge,</code>
	<code>\bot</code>		<code>\blacklozenge</code>
	<code>\top, \intercal</code>		<code>\largelozenge</code>
	<code>\wreath, \wr</code>		<code>\filledmedtriangleright</code>
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	<code>\measuredangle</code>		<code>\blacktriangle</code>
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	<code>\backprime</code>		<code>\blacktriangledown</code>
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	<code>\checkmark</code>		<code>\medstarofdavid</code>
	<code>\lightning</code>		<code>\largestarofdavid</code>
	<code>\diamondsuit</code>		<code>\maltese</code>
	<code>\heartsuit</code>	\times	<code>\leftthreetimes</code>
	<code>\spadesuit</code>	\times	<code>\rightthreetimes</code>
	<code>\clubsuit</code>		<code>\nshortmid</code>
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


























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




































=	=, \equal	<<	\sqsmilefrown
≡	\equiv	◊	\sqfrownsmile
≈	\sim	⋈	\sqsmileeq
↖	\backsim	▷	\sqfrowneq
≈	\approx	◊	\sqeqsmile
≈	\backapprox	▷	\sqeqfrown
≡	\triplesim	⋈	\sqdoublesmileeq
≡	\backtriplesim	▷	\sqdoublefrowneq
≡	\simeq	⋈	\sqsmileeqfrown
↖	\backsimeq	◊	\sqfrowneqsmile
≡	\eqsim	⊕	\eqcirc
≡	\backeqsim	⊕	\circeq
≡	\cong	⊕	\triangleleeq, \triangleleq
≡	\backcong	⊕	\hateq
≈	\approxeq	⊕	\in
≈	\backapproxeq	⊕	\owns, \ni
⊂	\bumpeq	<	<, \less
⊂	\eqbump	>	>, \gtr
⊂	\Bumpeq	⋈	\leq, \le
⋈	\doteq	>	\geq, \ge
⋈	\eqdot	⋈	\leqslant
⋈	\Doteq, \doteqdot	>	\geqslant
⋈	\fallingdotseq	⋈	\leqq
⋈	\risingdotseq	⋈	\geqq
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⋈	\frown, \smallfrown	⋈	\gtrless
⋈	\doublesmile	⋈	\lesseqgtr
⋈	\doublefrown	⋈	\gtreqless
⋈	\triplesmile	⋈	\lesseqqgtr
⋈	\triplefrown	⋈	\gtreqqless
⋈	\smilefrown, \asympt	⋈	\lesseqgtrslant
⋈	\frownsmile	⋈	\gtreqlessslant
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⋈	\frowneq	⋈	\gg
⋈	\eqsmile	⋈	\lll, \llless
⋈	\eqfrown	⋈	\ggg, \gggtr
⋈	\doublesmileeq	⋈	\lessclosed, \lhd,
⋈	\doublefrowneq	⋈	\vartriangleleft
⋈	\smileeqfrown	⋈	\gtrclosed, \rhd,
⋈	\frowneqsmile	⋈	\vartriangleright
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⋈	\frownsmileeq	⋈	\trianglelefteq
⋈	\sqsmile	⋈	\geqclosed, \unrhd,
⋈	\sqfrown	⋈	\trianglerighteq
⋈	\sqdoublesmile	⋈	\sqsubset
⋈	\sqdoublefrown	⋈	\sqsupset
⋈	\sqtriplesmile	⋈	\sqsubseteq
⋈	\sqtriplefrown		

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\sqsubset	<code>\sqsubset</code>	\nbackcong	<code>\nbackcong</code>
\sqsupset	<code>\sqsupset</code>	\napprox	<code>\napprox</code>
\subset	<code>\subset</code>	\nbackapprox	<code>\nbackapprox</code>
\supset	<code>\supset</code>	\nbump	<code>\nbump</code>
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\succ	<code>\succ</code>	\nsmile	<code>\nsmile</code>
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\succeq	<code>\succeq</code>	\ndoublesmile	<code>\ndoublesmile</code>
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\succcurlyeq	<code>\succcurlyeq</code>	\ntriplesmile	<code>\ntriplesmile</code>
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$\succ\sim$	<code>\succ\sim</code>	\nsmilefrown, \nasym	<code>\nsmilefrown, \nasym</code>
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\gtrapprox	<code>\gtrapprox</code>	\nsqdoublefrown	<code>\nsqdoublefrown</code>
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\nequal, \neq, \ne	<code>\nequal, \neq, \ne</code>	\nsqsmileeq	<code>\nsqsmileeq</code>
\nequiv	<code>\nequiv</code>	\nsqfrowneq	<code>\nsqfrowneq</code>
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\nbacksimeq	<code>\nbacksimeq</code>	\ncirceq	<code>\ncirceq</code>

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$\nhat{=}$	<code>\nhateq</code>	\nprec	<code>\nprec</code>
\nnotin	<code>\nin, \notin</code>	\nsucc	<code>\nsucc</code>
\nowns	<code>\nowns</code>	\npreceq, \precneqq	<code>\npreceq, \precneqq</code>
\nless	<code>\nless</code>	\nsucceq, \succneqq	<code>\nsucceq, \succneqq</code>
\ngtr	<code>\ngtr</code>	\npreccurlyeq	<code>\npreccurlyeq</code>
\nleq, \lneq	<code>\nleq, \lneq</code>	\nsucccurlyeq	<code>\nsucccurlyeq</code>
\ngeq, \gneq	<code>\ngeq, \gneq</code>	\nprecsim	<code>\nprecsim</code>
\nleqslant	<code>\nleqslant</code>	\nsuccsim	<code>\nsuccsim</code>
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\ngtrless	<code>\ngtrless</code>	\nleqdot	<code>\nleqdot</code>
\nlesseqgtr	<code>\nlesseqgtr</code>	\ngeqdot	<code>\ngeqdot</code>
\ngtreqlless	<code>\ngtreqlless</code>	\nleqslantdot	<code>\nleqslantdot</code>
\nlesseqqgtr	<code>\nlesseqqgtr</code>	\ngeqslantdot	<code>\ngeqslantdot</code>
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\ngtreqqlessslant	<code>\ngtreqqlessslant</code>	\lessneqqgtr	<code>\lessneqqgtr</code>
\nll	<code>\nll</code>	\gtrneqqless	<code>\gtrneqqless</code>
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\nggg	<code>\nggg</code>	\sqsubsetneqq	<code>\sqsubsetneqq</code>
$\nlessclosed, \ntriangleleftleft$	<code>\nlessclosed, \ntriangleleftleft</code>	\sqsupsetneqq	<code>\sqsupsetneqq</code>
$\ngtrclosed, \ntrianglerightright$	<code>\ngtrclosed, \ntrianglerightright</code>	$\subsetneq, \varsubsetneq$	<code>\subsetneq, \varsubsetneq</code>
$\nleqclosed, \ntrianglelefteq$	<code>\nleqclosed, \ntrianglelefteq</code>	$\supsetneq, \varsupsetneq$	<code>\supsetneq, \varsupsetneq</code>
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\nsqsupset	<code>\nsqsupset</code>	\precnsim	<code>\precnsim</code>
\nsqsubseteq	<code>\nsqsubseteq</code>	\succnsim	<code>\succnsim</code>
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\nsqsubseteqq	<code>\nsqsubseteqq</code>	\succnapprox	<code>\succnapprox</code>
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\nsubset	<code>\nsubset</code>	\lnsim	<code>\lnsim</code>
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\nSubset	<code>\nSubset</code>	\ncurlyeqprec	<code>\ncurlyeqprec</code>
		\ncurlyeqsucc	<code>\ncurlyeqsucc</code>

Operators

	<code>\llangle</code>		<code>\rvert</code>
	<code>\rrangle</code>		<code>\Vert, \l</code>
	<code>\lfloor</code>		<code>\mVert</code>
	<code>\rfloor</code>		<code>\lVert</code>
	<code>\lceil</code>		<code>\rVert</code>
	<code>\rceil</code>		<code>\arrowvert</code>
	<code>\ulcorner</code>		<code>\Arrowvert</code>
	<code>\urcorner</code>		<code>\lwavy</code>
	<code>\llcorner</code>		<code>\rwavy</code>
	<code>\lrcorner</code>		<code>\lWavy</code>
	<code>\ullcorner</code>		<code>\rWavy</code>
	<code>\ulrcorner</code>		<code>\lggroup</code>
	<code>\lsem</code>		<code>\rgroup</code>
	<code>\rsem</code>		<code>\lmoustache</code>
			<code>\rmoustache</code>
	<code>\backslash</code>		<code>\bracevert</code>
	<code>\l, \vert</code>		<code>\uparrow</code>
	<code>\mvert, \mid</code>		<code>\downarrow</code>
	<code>\lvert</code>		<code>\updownarrow</code>

	<code>\Uparrow</code>		<code>\Updownarrow</code>
	<code>\Downarrow</code>		
	<code>\downbrace</code>		<code>\upbraceegggg</code>
	<code>\downbraceg</code>		<code>\bracedl</code>
	<code>\downbracegg</code>		<code>\bracelu</code>
	<code>\downbraceggg</code>		<code>\bracerd</code>
	<code>\downbracegggg</code>		<code>\braceru</code>
	<code>\upbrace</code>		<code>\bracemd</code>
	<code>\upbraceg</code>		<code>\bracemu</code>
	<code>\upbracegg</code>		<code>\bracemid</code>
	<code>\upbraceggg</code>		
	<code>\overbrace</code>		<code>\overlinesegment</code>
	<code>\underbrace</code>		<code>\overleftharpoon</code>
	<code>\overgroup</code>		<code>\overrightharpoon</code>
	<code>\undergroup</code>		<code>\underlinesegment</code>
	<code>\sqrt{b}</code>		<code>\vec{b}</code>
	<code>\surd</code>		<code>\middlebar</code>
	<code>\widehat{abc}</code>		<code>\middleslash</code>
	<code>\widetilde{abc}</code>		<code>\strokethrough</code>
	<code>\wideparen{abc}</code>		

Faked symbols

The following symbols are taken from the text font or they are assembled from several glyphs.

<code>:=</code>	<code>\coloneq</code>	\hbar	<code>\hslash</code>
\dagger	<code>\dagger</code>	\textcircled{R}	<code>\circledR</code>
\ddagger	<code>\ddagger</code>	\textcircled{S}	<code>\circledS</code>
\P	<code>\mathparagraph</code>	$\dot{+}$	<code>\dotplus</code>
\S	<code>\mathsection</code>	\sim	<code>\thicksim</code>
$\$$	<code>\mathdollar</code>	\approx	<code>\thickapprox</code>
\pounds	<code>\mathsterling</code>	\veebar	<code>\veebar</code>
\yen	<code>\yen</code>	$\bar{\wedge}$	<code>\barwedge</code>
\Re	<code>\Re</code>	$\overline{\bar{\wedge}}$	<code>\doublebarwedge</code>
\Im	<code>\Im</code>	\cdot	<code>\centerdot</code>
\hbar	<code>\hbar</code>	\ast	<code>\divideontimes</code>

Missing symbols. The following symbols from Computer Modern or the AMS fonts are missing in MnSymbol. If available they should be taken from the text font. (For instance, the MinionPro package defines most of them.)

<code>\mho</code>	<code>\digamma</code>	<code>\mapstochar</code>
<code>\Finv</code>	<code>\varkappa</code>	<code>\lhook</code>
<code>\Game</code>	<code>\Bbbk</code>	<code>\rhook</code>
<code>\eth</code>	<code>\backepsilon</code>	

1 The style file

```

1 (*style)
2 \ProvidesPackage{MnSymbol}[2007/01/21 v1.4 support for the MnSymbol font]

```

Options to select the calligraphic font.

```

3 \DeclareOption{mnsy}{%
4   \def\Mn@Load@Cal@Font{%
5     \DeclareMathAlphabet\mathcal{OMS}{MnSymbolS}{m}{n}%
6     \SetMathAlphabet\mathcal{bold}{OMS}{MnSymbolS}{b}{n}}
7 \DeclareOption{cmsy}{%
8   \def\Mn@Load@Cal@Font{%
9     \DeclareMathAlphabet\mathcal{OMS}{cmsy}{m}{n}%
10    \SetMathAlphabet\mathcal{bold}{OMS}{cmsy}{b}{n}}
11 \DeclareOption{abx}{%
12   \def\Mn@Load@Cal@Font{%
13     \DeclareFontFamily{OT1}{mathc}{}%
14     \DeclareFontShape{OT1}{mathc}{m}{n}{<-> mathcm10 }{}%
15     \DeclareFontShape{OT1}{mathc}{b}{n}{<-> mathcb10 }{}%
16     \DeclareMathAlphabet\mathcal{OT1}{mathc}{m}{n}%
17     \SetMathAlphabet\mathcal{bold}{OT1}{mathc}{b}{n}}

```

Some symbols missing from MnSymbol can be obtained from other fonts or by combining several other symbols.

```

18 \newcommand*\Mn@Fake@Missing{
19   \ifpackageloaded{textcomp}{\RequirePackage{textcomp}}
20   \ifundefined{mathfrak}{\RequirePackage{eufrak}}{}
21
22   \DeclareRobustCommand{\dagger}{\Mn@Text@With@MathVersion{\textdagger}}
23   \DeclareRobustCommand{\ddagger}{\Mn@Text@With@MathVersion{\textdaggerdbl}}
24   \DeclareRobustCommand{\mathparagraph}{\Mn@Text@With@MathVersion{\textparagraph}}
25   \DeclareRobustCommand{\mathsection}{\Mn@Text@With@MathVersion{\textsection}}
26   \DeclareRobustCommand{\mathdollar}{\Mn@Text@With@MathVersion{\textdollar}}
27   \DeclareRobustCommand{\mathsterling}{\Mn@Text@With@MathVersion{\textsterling}}
28   \DeclareRobustCommand{\yen}{\Mn@Text@With@MathVersion{\textyen}}
29   \DeclareRobustCommand{\circledR}{\Mn@Text@With@MathVersion{\textcircled{%
30     \check@mathfonts\fontsize\sf@size\z@\math@fontsfalse\selectfont
31   }}}
32   \DeclareRobustCommand{\circledS}{\Mn@Text@With@MathVersion{\textcircled{%
33     \check@mathfonts\fontsize\sf@size\z@\math@fontsfalse\selectfont
34   }}}
33   \DeclareRobustCommand{\Re}{\mathfrak{R}}
34   \DeclareRobustCommand{\Im}{\mathfrak{I}}
35   \DeclareRobustCommand{\dotplus}{\dot{+}}
36   \DeclareRobustCommand{\thicksim}{\mathrel{\text{\boldmath$\m@th\sim$}}}
37   \DeclareRobustCommand{\thickapprox}{\mathrel{\text{\boldmath$\m@th\approx$}}}
38   \let\hbar\undefined
39   \let\hslash\undefined
40   % Hack for backward compatibility with the MinionPro package:
41   % If the package is loaded then we do not need to define \hbar.
42   \ifpackageloaded{MinionPro}{}%

```



```

43 \DeclareRobustCommand{\hbar}{\middlebar h}
44 \DeclareRobustCommand{\hslash}{\middleslash h}
45
46 \let\lneq\lneq
47 \let\gneq\gneq
48 \let\precneqq\precneqq
49 \let\succneqq\succneqq
50 \DeclareRobustCommand\veebar{\mathbin{\underline{\vee}}}
51 \DeclareRobustCommand\barwedge{\mathbin{\overline{\wedge}}}
52 \DeclareRobustCommand\doublebarwedge{\mathbin{\overline{\overline{\wedge}}}}
53 \DeclareRobustCommand\centerdot{\mathbin{\rule{0.15em}{0.15em}}}
54 \DeclareRobustCommand\divideontimes{\mathbin{\ooalign{$\div$\crcr$\times$}}}

```

MnSymbol lacks some symbols that are present in the Computer Modern or the AMS fonts. In order to warn the user we undefine the corresponding commands.

(a) Missing letters.

```

55 \let\eth\undefined
56 \let\digamma\undefined
57 \let\varkappa\undefined
58 \let\backepsilon\undefined
59
60 \let\mho\undefined
61 \let\Finv\undefined
62 \let\Game\undefined
63 \let\Bbbk\undefined

```

(b) Unneeded partial symbols.

```

64 \let\mapstochar\undefined
65 \let\lhook\undefined
66 \let\rhook\undefined
67 }
68 \DeclareOption{retainmissing}{\let\Mn@Fake@Missing\relax}
69
70 \ExecuteOptions{mnsy}
71 \ProcessOptions\relax

```

Loading external packages. But only if they are not already loaded in order to avoid warning messages about loading a package twice with different options.

```

72 \ifpackageloaded{amsmath}{}{\RequirePackage{amsmath}}
73 \Mn@Fake@Missing

```

Short hands to simplify the definitions below.

```

74 \def\Set@Mn@Sym#1{\@tempcnta #1\relax}
75 \def\Next@Mn@Sym{\advance\@tempcnta 1\relax}
76 \def\Prev@Mn@Sym{\advance\@tempcnta -1\relax}
77
78 \def\@Decl@Mn@Sym#1#2#3#4{\DeclareMathSymbol{#2}{#3}{#4}{#1}}
79 \def\Decl@Mn@Sym#1#2#3{%
80 \if\relax\noexpand#1%
81 \let#1\undefined
82 \fi
83 \expandafter\@Decl@Mn@Sym\expandafter{\the\@tempcnta}{#1}{#3}{#2}%
84 \Next@Mn@Sym}
85 \def\Decl@Mn@Alias#1#2#3{\Prev@Mn@Sym\Decl@Mn@Sym{#1}{#2}{#3}}
86 \let\Decl@Mn@Char\Decl@Mn@Sym
87 \def\Decl@Mn@Op#1#2#3{\def#1{\DOTSB#3\limits@}}

```

```

88 \def\Decl@Mn@Int#1#2#3{\def#1{\DOTSI#3\ilimits@}}
89
90 \def\Decl@Mn@Delim#1#2#3#4{%
91   \if\relax\noexpand#1%
92     \let#1\undefined
93   \fi
94   \DeclareMathDelimiter{#1}{#2}{#3}{#4}{#3}{#4}}
95 \def\Decl@Mn@Open#1#2#3{\Decl@Mn@Delim{#1}{\mathopen}{#2}{#3}}
96 \def\Decl@Mn@Close#1#2#3{\Decl@Mn@Delim{#1}{\mathclose}{#2}{#3}}

```

Font definitions.

```

97 \DeclareFontFamily{U}{MnSymbolA}{-}
98 \DeclareFontFamily{U}{MnSymbolB}{-}
99 \DeclareFontFamily{U}{MnSymbolC}{-}
100 \DeclareFontFamily{U}{MnSymbolD}{-}
101 \DeclareFontFamily{OMX}{MnSymbolE}{-}
102 \DeclareFontFamily{U}{MnSymbolF}{-}
103 \DeclareFontFamily{OMS}{MnSymbolS}{\skewchar\font=0}
104 \DeclareSymbolFont{MnSyA}{U}{MnSymbolA}{m}{n}
105 \DeclareSymbolFont{MnSyB}{U}{MnSymbolB}{m}{n}
106 \DeclareSymbolFont{MnSyC}{U}{MnSymbolC}{m}{n}
107 \DeclareSymbolFont{MnSyD}{U}{MnSymbolD}{m}{n}
108 \DeclareSymbolFont{largesymbols}{OMX}{MnSymbolE}{m}{n}
109 \DeclareSymbolFont{symbols}{U}{MnSymbolF}{m}{n}
110 \SetSymbolFont{MnSyA}{bold}{U}{MnSymbolA}{b}{n}
111 \SetSymbolFont{MnSyB}{bold}{U}{MnSymbolB}{b}{n}
112 \SetSymbolFont{MnSyC}{bold}{U}{MnSymbolC}{b}{n}
113 \SetSymbolFont{MnSyD}{bold}{U}{MnSymbolD}{b}{n}
114 \SetSymbolFont{largesymbols}{bold}{OMX}{MnSymbolE}{b}{n}
115 \SetSymbolFont{symbols}{bold}{U}{MnSymbolF}{b}{n}
116
117 \DeclareFontShape{U}{MnSymbolA}{m}{n}{-}{
118   <-6> MnSymbolA5
119   <6-7> MnSymbolA6
120   <7-8> MnSymbolA7
121   <8-9> MnSymbolA8
122   <9-10> MnSymbolA9
123   <10-12> MnSymbolA10
124   <12-> MnSymbolA12}{-}
125 \DeclareFontShape{U}{MnSymbolA}{b}{n}{-}{
126   <-6> MnSymbolA-Bold5
127   <6-7> MnSymbolA-Bold6
128   <7-8> MnSymbolA-Bold7
129   <8-9> MnSymbolA-Bold8
130   <9-10> MnSymbolA-Bold9
131   <10-12> MnSymbolA-Bold10
132   <12-> MnSymbolA-Bold12}{-}
133 \DeclareFontShape{U}{MnSymbolB}{m}{n}{-}{
134   <-6> MnSymbolB5
135   <6-7> MnSymbolB6
136   <7-8> MnSymbolB7
137   <8-9> MnSymbolB8
138   <9-10> MnSymbolB9
139   <10-12> MnSymbolB10
140   <12-> MnSymbolB12}{-}

```

```

141 \DeclareFontShape{U}{MnSymbolB}{b}{n}{
142     <-6> MnSymbolB-Bold5
143     <6-7> MnSymbolB-Bold6
144     <7-8> MnSymbolB-Bold7
145     <8-9> MnSymbolB-Bold8
146     <9-10> MnSymbolB-Bold9
147     <10-12> MnSymbolB-Bold10
148     <12-> MnSymbolB-Bold12}{
149 \DeclareFontShape{U}{MnSymbolC}{m}{n}{
150     <-6> MnSymbolC5
151     <6-7> MnSymbolC6
152     <7-8> MnSymbolC7
153     <8-9> MnSymbolC8
154     <9-10> MnSymbolC9
155     <10-12> MnSymbolC10
156     <12-> MnSymbolC12}{
157 \DeclareFontShape{U}{MnSymbolC}{b}{n}{
158     <-6> MnSymbolC-Bold5
159     <6-7> MnSymbolC-Bold6
160     <7-8> MnSymbolC-Bold7
161     <8-9> MnSymbolC-Bold8
162     <9-10> MnSymbolC-Bold9
163     <10-12> MnSymbolC-Bold10
164     <12-> MnSymbolC-Bold12}{
165 \DeclareFontShape{U}{MnSymbolD}{m}{n}{
166     <-6> MnSymbolD5
167     <6-7> MnSymbolD6
168     <7-8> MnSymbolD7
169     <8-9> MnSymbolD8
170     <9-10> MnSymbolD9
171     <10-12> MnSymbolD10
172     <12-> MnSymbolD12}{
173 \DeclareFontShape{U}{MnSymbolD}{b}{n}{
174     <-6> MnSymbolD-Bold5
175     <6-7> MnSymbolD-Bold6
176     <7-8> MnSymbolD-Bold7
177     <8-9> MnSymbolD-Bold8
178     <9-10> MnSymbolD-Bold9
179     <10-12> MnSymbolD-Bold10
180     <12-> MnSymbolD-Bold12}{
181 \DeclareFontShape{OMX}{MnSymbolE}{m}{n}{
182     <-6> MnSymbolE5
183     <6-7> MnSymbolE6
184     <7-8> MnSymbolE7
185     <8-9> MnSymbolE8
186     <9-10> MnSymbolE9
187     <10-12> MnSymbolE10
188     <12-> MnSymbolE12}{
189 \DeclareFontShape{OMX}{MnSymbolE}{b}{n}{
190     <-6> MnSymbolE-Bold5
191     <6-7> MnSymbolE-Bold6
192     <7-8> MnSymbolE-Bold7
193     <8-9> MnSymbolE-Bold8
194     <9-10> MnSymbolE-Bold9

```

```

195 <10-12> MnSymbolE-Bold10
196 <12-> MnSymbolE-Bold12}{
197 \DeclareFontShape{U}{MnSymbolF}{m}{n}{
198     <-6> MnSymbolF5
199     <6-7> MnSymbolF6
200     <7-8> MnSymbolF7
201     <8-9> MnSymbolF8
202     <9-10> MnSymbolF9
203     <10-12> MnSymbolF10
204     <12-> MnSymbolF12}{
205 \DeclareFontShape{U}{MnSymbolF}{b}{n}{
206     <-6> MnSymbolF-Bold5
207     <6-7> MnSymbolF-Bold6
208     <7-8> MnSymbolF-Bold7
209     <8-9> MnSymbolF-Bold8
210     <9-10> MnSymbolF-Bold9
211     <10-12> MnSymbolF-Bold10
212     <12-> MnSymbolF-Bold12}{
213 \DeclareFontShape{OMS}{MnSymbolS}{m}{n}{
214     <-6> MnSymbolS5
215     <6-7> MnSymbolS6
216     <7-8> MnSymbolS7
217     <8-9> MnSymbolS8
218     <9-10> MnSymbolS9
219     <10-12> MnSymbolS10
220     <12-> MnSymbolS12}{
221 \DeclareFontShape{OMS}{MnSymbolS}{b}{n}{
222     <-6> MnSymbolS-Bold5
223     <6-7> MnSymbolS-Bold6
224     <7-8> MnSymbolS-Bold7
225     <8-9> MnSymbolS-Bold8
226     <9-10> MnSymbolS-Bold9
227     <10-12> MnSymbolS-Bold10
228     <12-> MnSymbolS-Bold12}{
229
230 \Mn@Load@Cal@Font

    A command to take math symbols from text fonts.
231 \def\Mn@Bold{bold}
232 \def\Mn@Text@With@MathVersion#1{
233     \ifx\Mn@Bold\math@version
234         \text{\bfseries#1}%
235     \else
236         \text{\mdseries#1}%
237     \fi}

    MnSymbolA: arrows.
238 \Set@Mn@Sym{0}
239 \Decl@Mn@Char\rightarrow {MnSyA}{\mathrel}
240 \Decl@Mn@Alias\to {MnSyA}{\mathrel}
241 \Decl@Mn@Char\uparrow {MnSyA}{\mathrel}
242 \Decl@Mn@Char\leftarrow {MnSyA}{\mathrel}
243 \Decl@Mn@Alias\gets {MnSyA}{\mathrel}
244 \Decl@Mn@Char\downarrow {MnSyA}{\mathrel}
245 \Decl@Mn@Char\nearrow {MnSyA}{\mathrel}

```

246	\Decl\Mn@Char\nwarrow	{MnSyA}{\mathrel}
247	\Decl\Mn@Char\swarrow	{MnSyA}{\mathrel}
248	\Decl\Mn@Char\searrow	{MnSyA}{\mathrel}
249	\Decl\Mn@Char\Rightarrow	{MnSyA}{\mathrel}
250	\Decl\Mn@Char\Uparrow	{MnSyA}{\mathrel}
251	\Decl\Mn@Char\Leftarrow	{MnSyA}{\mathrel}
252	\Decl\Mn@Char\Downarrow	{MnSyA}{\mathrel}
253	\Decl\Mn@Char\Nearrow	{MnSyA}{\mathrel}
254	\Decl\Mn@Char\Nwarrow	{MnSyA}{\mathrel}
255	\Decl\Mn@Char\Swarrow	{MnSyA}{\mathrel}
256	\Decl\Mn@Char\Searrow	{MnSyA}{\mathrel}
257	\Decl\Mn@Char\leftrightharpoonup	{MnSyA}{\mathrel}
258	\Decl\Mn@Char\updownarrow	{MnSyA}{\mathrel}
259	\Decl\Mn@Char\neqswarrow	{MnSyA}{\mathrel}
260	\Decl\Mn@Char\nwsearrow	{MnSyA}{\mathrel}
261	\Decl\Mn@Char\leftrightharpoonup	{MnSyA}{\mathrel}
262	\Decl\Mn@Char\updownarrow	{MnSyA}{\mathrel}
263	\Decl\Mn@Char\neqswarrow	{MnSyA}{\mathrel}
264	\Decl\Mn@Char\Nwsearrow	{MnSyA}{\mathrel}
265	\Decl\Mn@Char\twoheadrightarrow	{MnSyA}{\mathrel}
266	\Decl\Mn@Char\twoheaduparrow	{MnSyA}{\mathrel}
267	\Decl\Mn@Char\twoheadleftarrow	{MnSyA}{\mathrel}
268	\Decl\Mn@Char\twoheaddownarrow	{MnSyA}{\mathrel}
269	\Decl\Mn@Char\twoheadnearrow	{MnSyA}{\mathrel}
270	\Decl\Mn@Char\twoheadnwarrow	{MnSyA}{\mathrel}
271	\Decl\Mn@Char\twoheadswarrow	{MnSyA}{\mathrel}
272	\Decl\Mn@Char\twoheadsearrow	{MnSyA}{\mathrel}
273	\Decl\Mn@Char\rightarrowtail	{MnSyA}{\mathrel}
274	\Decl\Mn@Char\uparrowtail	{MnSyA}{\mathrel}
275	\Decl\Mn@Char\leftarrowtail	{MnSyA}{\mathrel}
276	\Decl\Mn@Char\downarrowtail	{MnSyA}{\mathrel}
277	\Decl\Mn@Char\nearrowtail	{MnSyA}{\mathrel}
278	\Decl\Mn@Char\nwarrowtail	{MnSyA}{\mathrel}
279	\Decl\Mn@Char\swarrowtail	{MnSyA}{\mathrel}
280	\Decl\Mn@Char\searrowtail	{MnSyA}{\mathrel}
281	\Decl\Mn@Char\rightmapsto	{MnSyA}{\mathrel}
282	\Decl\Mn@Alias\mapsto	{MnSyA}{\mathrel}
283	\Decl\Mn@Char\upmapsto	{MnSyA}{\mathrel}
284	\Decl\Mn@Char\leftmapsto	{MnSyA}{\mathrel}
285	\Decl\Mn@Char\downmapsto	{MnSyA}{\mathrel}
286	\Decl\Mn@Char\neqmapsto	{MnSyA}{\mathrel}
287	\Decl\Mn@Char\neqmapsto	{MnSyA}{\mathrel}
288	\Decl\Mn@Char\swmapsto	{MnSyA}{\mathrel}
289	\Decl\Mn@Char\semapsto	{MnSyA}{\mathrel}
290	\Decl\Mn@Char\hookrightarrow	{MnSyA}{\mathrel}
291	\Decl\Mn@Alias\hookrightarrow	{MnSyA}{\mathrel}
292	\Decl\Mn@Char\hookuparrow	{MnSyA}{\mathrel}
293	\Decl\Mn@Char\hookleftarrow	{MnSyA}{\mathrel}
294	\Decl\Mn@Char\hookdownarrow	{MnSyA}{\mathrel}
295	\Decl\Mn@Char\hooknearrow	{MnSyA}{\mathrel}
296	\Decl\Mn@Char\hooknwarrow	{MnSyA}{\mathrel}
297	\Decl\Mn@Char\hookswarrow	{MnSyA}{\mathrel}
298	\Decl\Mn@Char\hooksearrow	{MnSyA}{\mathrel}
299	\Decl\Mn@Char\hookrightarrow	{MnSyA}{\mathrel}

300	<code>\Decl\Mn@Char\rhookuparrow</code>	<code>{MnSyA}{\mathrel}</code>
301	<code>\Decl\Mn@Char\rhookleftarrow</code>	<code>{MnSyA}{\mathrel}</code>
302	<code>\Decl\Mn@Alias\hookleftarrow</code>	<code>{MnSyA}{\mathrel}</code>
303	<code>\Decl\Mn@Char\rhookdownarrow</code>	<code>{MnSyA}{\mathrel}</code>
304	<code>\Decl\Mn@Char\rhooknearrow</code>	<code>{MnSyA}{\mathrel}</code>
305	<code>\Decl\Mn@Char\rhooknwarrow</code>	<code>{MnSyA}{\mathrel}</code>
306	<code>\Decl\Mn@Char\rhookswarrow</code>	<code>{MnSyA}{\mathrel}</code>
307	<code>\Decl\Mn@Char\rhooksearrow</code>	<code>{MnSyA}{\mathrel}</code>
308	<code>\Decl\Mn@Char\rightharpoonccw</code>	<code>{MnSyA}{\mathrel}</code>
309	<code>\Decl\Mn@Alias\rightharpoonup</code>	<code>{MnSyA}{\mathrel}</code>
310	<code>\Decl\Mn@Char\upharpoonccw</code>	<code>{MnSyA}{\mathrel}</code>
311	<code>\Decl\Mn@Alias\upharpoonleft</code>	<code>{MnSyA}{\mathrel}</code>
312	<code>\Decl\Mn@Char\leftharpoonccw</code>	<code>{MnSyA}{\mathrel}</code>
313	<code>\Decl\Mn@Alias\leftharpoondown</code>	<code>{MnSyA}{\mathrel}</code>
314	<code>\Decl\Mn@Char\downharpoonccw</code>	<code>{MnSyA}{\mathrel}</code>
315	<code>\Decl\Mn@Alias\downharpoonright</code>	<code>{MnSyA}{\mathrel}</code>
316	<code>\Decl\Mn@Char\neharpoonccw</code>	<code>{MnSyA}{\mathrel}</code>
317	<code>\Decl\Mn@Char\nwharpoonccw</code>	<code>{MnSyA}{\mathrel}</code>
318	<code>\Decl\Mn@Char\swharpoonccw</code>	<code>{MnSyA}{\mathrel}</code>
319	<code>\Decl\Mn@Char\seharpoonccw</code>	<code>{MnSyA}{\mathrel}</code>
320	<code>\Decl\Mn@Char\rightharpooncw</code>	<code>{MnSyA}{\mathrel}</code>
321	<code>\Decl\Mn@Alias\rightharpoondown</code>	<code>{MnSyA}{\mathrel}</code>
322	<code>\Decl\Mn@Char\upharpooncw</code>	<code>{MnSyA}{\mathrel}</code>
323	<code>\Decl\Mn@Alias\upharpoonright</code>	<code>{MnSyA}{\mathrel}</code>
324	<code>\Decl\Mn@Alias\restriction</code>	<code>{MnSyA}{\mathrel}</code>
325	<code>\Decl\Mn@Char\leftharpooncw</code>	<code>{MnSyA}{\mathrel}</code>
326	<code>\Decl\Mn@Alias\leftharpoonup</code>	<code>{MnSyA}{\mathrel}</code>
327	<code>\Decl\Mn@Char\downharpooncw</code>	<code>{MnSyA}{\mathrel}</code>
328	<code>\Decl\Mn@Alias\downharpoonleft</code>	<code>{MnSyA}{\mathrel}</code>
329	<code>\Decl\Mn@Char\neharpooncw</code>	<code>{MnSyA}{\mathrel}</code>
330	<code>\Decl\Mn@Char\nwharpooncw</code>	<code>{MnSyA}{\mathrel}</code>
331	<code>\Decl\Mn@Char\swharpooncw</code>	<code>{MnSyA}{\mathrel}</code>
332	<code>\Decl\Mn@Char\seharpooncw</code>	<code>{MnSyA}{\mathrel}</code>
333	<code>\Decl\Mn@Char\leftrightharpoonupdown</code>	<code>{MnSyA}{\mathrel}</code>
334	<code>\Decl\Mn@Char\updownharpoonleftright</code>	<code>{MnSyA}{\mathrel}</code>
335	<code>\Decl\Mn@Char\neswharpoonnwse</code>	<code>{MnSyA}{\mathrel}</code>
336	<code>\Decl\Mn@Char\nwseharpoonnesw</code>	<code>{MnSyA}{\mathrel}</code>
337	<code>\Decl\Mn@Char\leftrightharpoondownup</code>	<code>{MnSyA}{\mathrel}</code>
338	<code>\Decl\Mn@Char\updownharpoonrightleft</code>	<code>{MnSyA}{\mathrel}</code>
339	<code>\Decl\Mn@Char\neswharpoonsenw</code>	<code>{MnSyA}{\mathrel}</code>
340	<code>\Decl\Mn@Char\nwseharpoonswne</code>	<code>{MnSyA}{\mathrel}</code>
341	<code>\Decl\Mn@Char\rightleftharpoons</code>	<code>{MnSyA}{\mathrel}</code>
342	<code>\Decl\Mn@Char\updownharpoons</code>	<code>{MnSyA}{\mathrel}</code>
343	<code>\Decl\Mn@Char\neswharpoons</code>	<code>{MnSyA}{\mathrel}</code>
344	<code>\Decl\Mn@Char\senwharpoons</code>	<code>{MnSyA}{\mathrel}</code>
345	<code>\Decl\Mn@Char\leftrightharpoons</code>	<code>{MnSyA}{\mathrel}</code>
346	<code>\Decl\Mn@Char\downupharpoons</code>	<code>{MnSyA}{\mathrel}</code>
347	<code>\Decl\Mn@Char\swneharpoons</code>	<code>{MnSyA}{\mathrel}</code>
348	<code>\Decl\Mn@Char\nwseharpoons</code>	<code>{MnSyA}{\mathrel}</code>
349	<code>\Decl\Mn@Char\dashedrightarrow</code>	<code>{MnSyA}{\mathrel}</code>
350	<code>\Decl\Mn@Alias\dashrightarrow</code>	<code>{MnSyA}{\mathrel}</code>
351	<code>\Decl\Mn@Alias\dasharrow</code>	<code>{MnSyA}{\mathrel}</code>
352	<code>\Decl\Mn@Char\dasheduparrow</code>	<code>{MnSyA}{\mathrel}</code>
353	<code>\Decl\Mn@Char\dashedleftarrow</code>	<code>{MnSyA}{\mathrel}</code>

354	<code>\DeclMn@Alias\dashleftarrow</code>	<code>{MnSyA}{\mathrel}</code>
355	<code>\DeclMn@Char\dashedrightarrow</code>	<code>{MnSyA}{\mathrel}</code>
356	<code>\DeclMn@Char\dashednearrow</code>	<code>{MnSyA}{\mathrel}</code>
357	<code>\DeclMn@Char\dashednwarrow</code>	<code>{MnSyA}{\mathrel}</code>
358	<code>\DeclMn@Char\dashedswarrow</code>	<code>{MnSyA}{\mathrel}</code>
359	<code>\DeclMn@Char\dashedsearrow</code>	<code>{MnSyA}{\mathrel}</code>
360	<code>\DeclMn@Char\rightspoon</code>	<code>{MnSyA}{\mathrel}</code>
361	<code>\DeclMn@Alias\multimap</code>	<code>{MnSyA}{\mathrel}</code>
362	<code>\DeclMn@Char\upspoon</code>	<code>{MnSyA}{\mathrel}</code>
363	<code>\DeclMn@Char\leftspoon</code>	<code>{MnSyA}{\mathrel}</code>
364	<code>\DeclMn@Char\downspoon</code>	<code>{MnSyA}{\mathrel}</code>
365	<code>\DeclMn@Char\nespoon</code>	<code>{MnSyA}{\mathrel}</code>
366	<code>\DeclMn@Char\nwspoon</code>	<code>{MnSyA}{\mathrel}</code>
367	<code>\DeclMn@Char\swspoon</code>	<code>{MnSyA}{\mathrel}</code>
368	<code>\DeclMn@Char\sespoon</code>	<code>{MnSyA}{\mathrel}</code>
369	<code>\DeclMn@Char\rightfilledspoon</code>	<code>{MnSyA}{\mathrel}</code>
370	<code>\DeclMn@Char\upfilledspoon</code>	<code>{MnSyA}{\mathrel}</code>
371	<code>\DeclMn@Char\leftfilledspoon</code>	<code>{MnSyA}{\mathrel}</code>
372	<code>\DeclMn@Char\downfilledspoon</code>	<code>{MnSyA}{\mathrel}</code>
373	<code>\DeclMn@Char\nefilledspoon</code>	<code>{MnSyA}{\mathrel}</code>
374	<code>\DeclMn@Char\nwfilledspoon</code>	<code>{MnSyA}{\mathrel}</code>
375	<code>\DeclMn@Char\swfilledspoon</code>	<code>{MnSyA}{\mathrel}</code>
376	<code>\DeclMn@Char\sefilledspoon</code>	<code>{MnSyA}{\mathrel}</code>
377	<code>\DeclMn@Char\rightfootline</code>	<code>{MnSyA}{\mathrel}</code>
378	<code>\DeclMn@Char\upfootline</code>	<code>{MnSyA}{\mathrel}</code>
379	<code>\DeclMn@Char\leftfootline</code>	<code>{MnSyA}{\mathrel}</code>
380	<code>\DeclMn@Char\downfootline</code>	<code>{MnSyA}{\mathrel}</code>
381	<code>\DeclMn@Char\nefootline</code>	<code>{MnSyA}{\mathrel}</code>
382	<code>\DeclMn@Char\nwfootline</code>	<code>{MnSyA}{\mathrel}</code>
383	<code>\DeclMn@Char\swfootline</code>	<code>{MnSyA}{\mathrel}</code>
384	<code>\DeclMn@Char\sefootline</code>	<code>{MnSyA}{\mathrel}</code>
385	<code>\DeclMn@Char\rightfree</code>	<code>{MnSyA}{\mathrel}</code>
386	<code>\DeclMn@Char\upfree</code>	<code>{MnSyA}{\mathrel}</code>
387	<code>\DeclMn@Char\leftfree</code>	<code>{MnSyA}{\mathrel}</code>
388	<code>\DeclMn@Char\downfree</code>	<code>{MnSyA}{\mathrel}</code>
389	<code>\DeclMn@Char\nefree</code>	<code>{MnSyA}{\mathrel}</code>
390	<code>\DeclMn@Char\nwfree</code>	<code>{MnSyA}{\mathrel}</code>
391	<code>\DeclMn@Char\swfree</code>	<code>{MnSyA}{\mathrel}</code>
392	<code>\DeclMn@Char\sefree</code>	<code>{MnSyA}{\mathrel}</code>
393	<code>\DeclMn@Char\rightpitchfork</code>	<code>{MnSyA}{\mathrel}</code>
394	<code>\DeclMn@Char\uppitchfork</code>	<code>{MnSyA}{\mathrel}</code>
395	<code>\DeclMn@Alias\pitchfork</code>	<code>{MnSyA}{\mathrel}</code>
396	<code>\DeclMn@Char\leftpitchfork</code>	<code>{MnSyA}{\mathrel}</code>
397	<code>\DeclMn@Char\downpitchfork</code>	<code>{MnSyA}{\mathrel}</code>
398	<code>\DeclMn@Char\nepitchfork</code>	<code>{MnSyA}{\mathrel}</code>
399	<code>\DeclMn@Char\nwpitchfork</code>	<code>{MnSyA}{\mathrel}</code>
400	<code>\DeclMn@Char\swpitchfork</code>	<code>{MnSyA}{\mathrel}</code>
401	<code>\DeclMn@Char\sepitchfork</code>	<code>{MnSyA}{\mathrel}</code>
402	<code>\DeclMn@Char\rightrightarrow</code>	<code>{MnSyA}{\mathrel}</code>
403	<code>\DeclMn@Char\upuparrows</code>	<code>{MnSyA}{\mathrel}</code>
404	<code>\DeclMn@Char\leftleftarrows</code>	<code>{MnSyA}{\mathrel}</code>
405	<code>\DeclMn@Char\downrightarrow</code>	<code>{MnSyA}{\mathrel}</code>
406	<code>\DeclMn@Char\nearrow</code>	<code>{MnSyA}{\mathrel}</code>
407	<code>\DeclMn@Char\newrightarrow</code>	<code>{MnSyA}{\mathrel}</code>

408	\DeclMn@Char\swswarrows	{MnSyA}{\mathrel}
409	\DeclMn@Char\sesearrows	{MnSyA}{\mathrel}
410	\DeclMn@Char\rightleftarrows	{MnSyA}{\mathrel}
411	\DeclMn@Char\updownarrows	{MnSyA}{\mathrel}
412	\DeclMn@Char\newarrows	{MnSyA}{\mathrel}
413	\DeclMn@Char\nwsearrows	{MnSyA}{\mathrel}
414	\DeclMn@Char\leftrightarrows	{MnSyA}{\mathrel}
415	\DeclMn@Char\downuparrows	{MnSyA}{\mathrel}
416	\DeclMn@Char\swnearrows	{MnSyA}{\mathrel}
417	\DeclMn@Char\senwarrows	{MnSyA}{\mathrel}
418	\DeclMn@Char\rightlsquigarrow	{MnSyA}{\mathrel}
419	\DeclMn@Alias\leadsto	{MnSyA}{\mathrel}
420	\DeclMn@Alias\rightsquigarrow	{MnSyA}{\mathrel}
421	\DeclMn@Char\uplsquigarrow	{MnSyA}{\mathrel}
422	\DeclMn@Char\leftlsquigarrow	{MnSyA}{\mathrel}
423	\DeclMn@Char\downlsquigarrow	{MnSyA}{\mathrel}
424	\DeclMn@Char\nelsquigarrow	{MnSyA}{\mathrel}
425	\DeclMn@Char\nwlsquigarrow	{MnSyA}{\mathrel}
426	\DeclMn@Char\swlsquigarrow	{MnSyA}{\mathrel}
427	\DeclMn@Char\selsquigarrow	{MnSyA}{\mathrel}
428	\DeclMn@Char\righttrsquigarrow	{MnSyA}{\mathrel}
429	\DeclMn@Char\uprsquigarrow	{MnSyA}{\mathrel}
430	\DeclMn@Char\lefttrsquigarrow	{MnSyA}{\mathrel}
431	\DeclMn@Char\downrsquigarrow	{MnSyA}{\mathrel}
432	\DeclMn@Char\nersquigarrow	{MnSyA}{\mathrel}
433	\DeclMn@Char\nwrsquigarrow	{MnSyA}{\mathrel}
434	\DeclMn@Char\swrsquigarrow	{MnSyA}{\mathrel}
435	\DeclMn@Char\sersquigarrow	{MnSyA}{\mathrel}
436	\DeclMn@Char\squigarrowleftright	{MnSyA}{\mathrel}
437	\DeclMn@Alias\leftrightsquigarrow	{MnSyA}{\mathrel}
438	\DeclMn@Char\squigarrowupdown	{MnSyA}{\mathrel}
439	\DeclMn@Char\squigarrowrightleft	{MnSyA}{\mathrel}
440	\DeclMn@Char\squigarrowdownup	{MnSyA}{\mathrel}
441	\DeclMn@Char\squigarrownesw	{MnSyA}{\mathrel}
442	\DeclMn@Char\squigarrownwse	{MnSyA}{\mathrel}
443	\DeclMn@Char\squigarrowswne	{MnSyA}{\mathrel}
444	\DeclMn@Char\squigarrowsenw	{MnSyA}{\mathrel}
445	\DeclMn@Char\lcurvearrowright	{MnSyA}{\mathrel}
446	\DeclMn@Alias\lcurvearrowright	{MnSyA}{\mathrel}
447	\DeclMn@Char\lcurvearrowup	{MnSyA}{\mathrel}
448	\DeclMn@Char\lcurvearrowleft	{MnSyA}{\mathrel}
449	\DeclMn@Char\lcurvearrowdown	{MnSyA}{\mathrel}
450	\DeclMn@Char\lcurvearrowne	{MnSyA}{\mathrel}
451	\DeclMn@Char\lcurvearrownw	{MnSyA}{\mathrel}
452	\DeclMn@Char\lcurvearrowsw	{MnSyA}{\mathrel}
453	\DeclMn@Char\lcurvearrowse	{MnSyA}{\mathrel}
454	\DeclMn@Char\rcurvearrowright	{MnSyA}{\mathrel}
455	\DeclMn@Char\rcurvearrowup	{MnSyA}{\mathrel}
456	\DeclMn@Char\rcurvearrowleft	{MnSyA}{\mathrel}
457	\DeclMn@Alias\rcurvearrowleft	{MnSyA}{\mathrel}
458	\DeclMn@Char\rcurvearrowdown	{MnSyA}{\mathrel}
459	\DeclMn@Char\rcurvearrowne	{MnSyA}{\mathrel}
460	\DeclMn@Char\rcurvearrownw	{MnSyA}{\mathrel}
461	\DeclMn@Char\rcurvearrowsw	{MnSyA}{\mathrel}

462 \Decl\Mn@Char\rcurvearrowse	{MnSyA}{\mathrel}
463 \Decl\Mn@Char\curvearrowleftrigh	{MnSyA}{\mathrel}
464 \Decl\Mn@Char\curvearrowupdown	{MnSyA}{\mathrel}
465 \Decl\Mn@Char\curvearrowrightleft	{MnSyA}{\mathrel}
466 \Decl\Mn@Char\curvearrowdownup	{MnSyA}{\mathrel}
467 \Decl\Mn@Char\curvearrownesw	{MnSyA}{\mathrel}
468 \Decl\Mn@Char\curvearrownwse	{MnSyA}{\mathrel}
469 \Decl\Mn@Char\curvearrowswne	{MnSyA}{\mathrel}
470 \Decl\Mn@Char\curvearrowsenw	{MnSyA}{\mathrel}
471 \Decl\Mn@Char\leftrightline	{MnSyA}{\mathrel}
472 \Decl\Mn@Alias\relbar	{MnSyA}{\mathrel}
473 \Decl\Mn@Char\updownline	{MnSyA}{\mathrel}
474 \Decl\Mn@Alias\divides	{MnSyA}{\mathrel}
475 \Decl\Mn@Char\neswline	{MnSyA}{\mathrel}
476 \Decl\Mn@Alias\diagup	{MnSyA}{\mathrel}
477 \Decl\Mn@Char\nwseline	{MnSyA}{\mathrel}
478 \Decl\Mn@Alias\diagdown	{MnSyA}{\mathrel}
479 \Decl\Mn@Char\Leftrightarrow	{MnSyA}{\mathrel}
480 \Decl\Mn@Alias\Relbar	{MnSyA}{\mathrel}
481 \Decl\Mn@Char\Updownline	{MnSyA}{\mathrel}
482 \Decl\Mn@Alias\parallel	{MnSyA}{\mathrel}
483 \Decl\Mn@Char\Neswline	{MnSyA}{\mathrel}
484 \Decl\Mn@Char\Nwseline	{MnSyA}{\mathrel}
485 \Decl\Mn@Char\rightvdash	{MnSyA}{\mathrel}
486 \Decl\Mn@Alias\vdash	{MnSyA}{\mathrel}
487 \Decl\Mn@Char\upvdash	{MnSyA}{\mathrel}
488 \Decl\Mn@Alias\perp	{MnSyA}{\mathrel}
489 \Decl\Mn@Char\leftvdash	{MnSyA}{\mathrel}
490 \Decl\Mn@Alias\dashv	{MnSyA}{\mathrel}
491 \Decl\Mn@Char\downvdash	{MnSyA}{\mathrel}
492 \Decl\Mn@Char\nevdash	{MnSyA}{\mathrel}
493 \Decl\Mn@Char\nwvdash	{MnSyA}{\mathrel}
494 \Decl\Mn@Char\swvdash	{MnSyA}{\mathrel}
495 \Decl\Mn@Char\sevdash	{MnSyA}{\mathrel}
496 \Decl\Mn@Char\rightmodels	{MnSyA}{\mathrel}
497 \Decl\Mn@Alias\models	{MnSyA}{\mathrel}
498 \Decl\Mn@Alias\vdash	{MnSyA}{\mathrel}
499 \Decl\Mn@Char\upmodels	{MnSyA}{\mathrel}
500 \Decl\Mn@Char\leftmodels	{MnSyA}{\mathrel}
501 \Decl\Mn@Char\downmodels	{MnSyA}{\mathrel}
502 \Decl\Mn@Char\nemodels	{MnSyA}{\mathrel}
503 \Decl\Mn@Char\nwmodels	{MnSyA}{\mathrel}
504 \Decl\Mn@Char\swmodels	{MnSyA}{\mathrel}
505 \Decl\Mn@Char\semodels	{MnSyA}{\mathrel}
506 \Decl\Mn@Char\rightVdash	{MnSyA}{\mathrel}
507 \Decl\Mn@Alias\Vdash	{MnSyA}{\mathrel}
508 \Decl\Mn@Char\upVdash	{MnSyA}{\mathrel}
509 \Decl\Mn@Char\leftVdash	{MnSyA}{\mathrel}
510 \Decl\Mn@Char\downVdash	{MnSyA}{\mathrel}
511 \Decl\Mn@Char\neVdash	{MnSyA}{\mathrel}
512 \Decl\Mn@Char\neVdash	{MnSyA}{\mathrel}
513 \Decl\Mn@Char\swVdash	{MnSyA}{\mathrel}
514 \Decl\Mn@Char\seVdash	{MnSyA}{\mathrel}
515 \Decl\Mn@Char\rightModels	{MnSyA}{\mathrel}

```

516 \DeclMn@Alias\VDash {MnSyA}{\mathrel}
517 \DeclMn@Char\upModels {MnSyA}{\mathrel}
518 \DeclMn@Char\leftModels {MnSyA}{\mathrel}
519 \DeclMn@Char\downModels {MnSyA}{\mathrel}
520 \DeclMn@Char\neModels {MnSyA}{\mathrel}
521 \DeclMn@Char\nwModels {MnSyA}{\mathrel}
522 \DeclMn@Char\swModels {MnSyA}{\mathrel}
523 \DeclMn@Char\seModels {MnSyA}{\mathrel}
524 \DeclMn@Char\rcirclearrowright {MnSyA}{\mathrel}
525 \DeclMn@Char\rcirclearrowup {MnSyA}{\mathrel}
526 \DeclMn@Alias\circlearrowleft {MnSyA}{\mathrel}
527 \DeclMn@Char\rcirclearrowleft {MnSyA}{\mathrel}
528 \DeclMn@Char\rcirclearrowdown {MnSyA}{\mathrel}
529 \DeclMn@Char\lcirclearrowright {MnSyA}{\mathrel}
530 \DeclMn@Char\lcirclearrowup {MnSyA}{\mathrel}
531 \DeclMn@Alias\circlearrowright {MnSyA}{\mathrel}
532 \DeclMn@Char\lcirclearrowleft {MnSyA}{\mathrel}
533 \DeclMn@Char\lcirclearrowdown {MnSyA}{\mathrel}
534
535 \let\joinrel\undefined
536 \DeclareRobustCommand\joinrel{\mathrel{\mkern-3.1mu}}
537 \DeclareRobustCommand\longrightarrow{\DOTSB\leftarrow\joinrel\rightarrow}
538 \DeclareRobustCommand\longleftarrow{\DOTSB\leftarrow\joinrel\leftarrow}
539 \DeclareRobustCommand\longleftarrow{\DOTSB\leftarrow\joinrel\rightarrow}
540 \DeclareRobustCommand\Longrightarrow{\DOTSB\leftarrow\joinrel\rightarrow}
541 \DeclareRobustCommand\Longleftarrow{\DOTSB\leftarrow\joinrel\leftarrow}
542 \DeclareRobustCommand\Longleftarrow{\DOTSB\leftarrow\joinrel\rightarrow}
543 \DeclareRobustCommand\longmapsto{\DOTSB\leftarrow\joinrel\rightarrow}
544 \DeclareRobustCommand\emptyfilledspoon{\DOTSB\leftarrow\mkern-14mu\rightfilledspoon}
545 \DeclareRobustCommand\filledemptyspoon{\DOTSB\leftarrow\mkern-14mu\rightspoon}
546 \DeclareRobustCommand\largeemptyfilledspoon{\DOTSB\mathrel{\circ\mkern-8mu\relbar\mkern-8mu\bullet}}
547 \DeclareRobustCommand\largefilledemptyspoon{\DOTSB\mathrel{\bullet\mkern-8mu\relbar\mkern-8mu\circ}}

```

MnSymbolB: stroked arrows.

```

548 \SetMn@Sym{0}
549 \DeclMn@Char\nrightarrow {MnSyB}{\mathrel}
550 \DeclMn@Alias\nto {MnSyB}{\mathrel}
551 \DeclMn@Char\nuparrow {MnSyB}{\mathrel}
552 \DeclMn@Char\nleftarrow {MnSyB}{\mathrel}
553 \DeclMn@Alias\ngets {MnSyB}{\mathrel}
554 \DeclMn@Char\ndownarrow {MnSyB}{\mathrel}
555 \DeclMn@Char\nnearrow {MnSyB}{\mathrel}
556 \DeclMn@Char\nnwarrow {MnSyB}{\mathrel}
557 \DeclMn@Char\nswarrow {MnSyB}{\mathrel}
558 \DeclMn@Char\nsearrow {MnSyB}{\mathrel}
559 \DeclMn@Char\nRightarrow {MnSyB}{\mathrel}
560 \DeclMn@Char\nUparrow {MnSyB}{\mathrel}
561 \DeclMn@Char\nLeftarrow {MnSyB}{\mathrel}
562 \DeclMn@Char\ndownarrow {MnSyB}{\mathrel}
563 \DeclMn@Char\nNearrow {MnSyB}{\mathrel}
564 \DeclMn@Char\nNwarrow {MnSyB}{\mathrel}
565 \DeclMn@Char\nSwarrow {MnSyB}{\mathrel}
566 \DeclMn@Char\nSearrow {MnSyB}{\mathrel}
567 \DeclMn@Char\nleftrightharpoonup {MnSyB}{\mathrel}
568 \DeclMn@Char\nupdownarrow {MnSyB}{\mathrel}

```

569	\Decl\Mn@Char\nceswarrow	{MnSyB}{\mathrel}
570	\Decl\Mn@Char\ncwsearrow	{MnSyB}{\mathrel}
571	\Decl\Mn@Char\nclefttrightharpoon	{MnSyB}{\mathrel}
572	\Decl\Mn@Char\ncupdownarrow	{MnSyB}{\mathrel}
573	\Decl\Mn@Char\ncneswarrow	{MnSyB}{\mathrel}
574	\Decl\Mn@Char\ncnwsearrow	{MnSyB}{\mathrel}
575	\Decl\Mn@Char\nctwoheadtrightharpoon	{MnSyB}{\mathrel}
576	\Decl\Mn@Char\nctwoheaduparrow	{MnSyB}{\mathrel}
577	\Decl\Mn@Char\nctwoheadleftarrow	{MnSyB}{\mathrel}
578	\Decl\Mn@Char\nctwoheaddownarrow	{MnSyB}{\mathrel}
579	\Decl\Mn@Char\nctwoheadnearrow	{MnSyB}{\mathrel}
580	\Decl\Mn@Char\nctwoheadnwarrow	{MnSyB}{\mathrel}
581	\Decl\Mn@Char\nctwoheadswarrow	{MnSyB}{\mathrel}
582	\Decl\Mn@Char\nctwoheadsearrow	{MnSyB}{\mathrel}
583	\Decl\Mn@Char\ncrightharpoonrighttail	{MnSyB}{\mathrel}
584	\Decl\Mn@Char\ncuparrowtail	{MnSyB}{\mathrel}
585	\Decl\Mn@Char\ncleftarrowtail	{MnSyB}{\mathrel}
586	\Decl\Mn@Char\ncdownarrowtail	{MnSyB}{\mathrel}
587	\Decl\Mn@Char\ncnearrowtail	{MnSyB}{\mathrel}
588	\Decl\Mn@Char\ncnwarrowtail	{MnSyB}{\mathrel}
589	\Decl\Mn@Char\ncswarrowtail	{MnSyB}{\mathrel}
590	\Decl\Mn@Char\ncsearrowtail	{MnSyB}{\mathrel}
591	\Decl\Mn@Char\ncrightharpoonupsto	{MnSyB}{\mathrel}
592	\Decl\Mn@Alias\ncmapsto	{MnSyB}{\mathrel}
593	\Decl\Mn@Char\ncupmapsto	{MnSyB}{\mathrel}
594	\Decl\Mn@Char\ncleftmapsto	{MnSyB}{\mathrel}
595	\Decl\Mn@Char\ncdownmapsto	{MnSyB}{\mathrel}
596	\Decl\Mn@Char\ncnemapsto	{MnSyB}{\mathrel}
597	\Decl\Mn@Char\ncnwmapsto	{MnSyB}{\mathrel}
598	\Decl\Mn@Char\ncswmapsto	{MnSyB}{\mathrel}
599	\Decl\Mn@Char\ncsemapsto	{MnSyB}{\mathrel}
600	\Decl\Mn@Char\ncnhooktrightharpoon	{MnSyB}{\mathrel}
601	\Decl\Mn@Alias\ncnhooktrightharpoon	{MnSyB}{\mathrel}
602	\Decl\Mn@Char\ncnhookuparrow	{MnSyB}{\mathrel}
603	\Decl\Mn@Char\ncnhookleftarrow	{MnSyB}{\mathrel}
604	\Decl\Mn@Char\ncnhookdownarrow	{MnSyB}{\mathrel}
605	\Decl\Mn@Char\ncnhooknearrow	{MnSyB}{\mathrel}
606	\Decl\Mn@Char\ncnhooknwarrow	{MnSyB}{\mathrel}
607	\Decl\Mn@Char\ncnhookswarrow	{MnSyB}{\mathrel}
608	\Decl\Mn@Char\ncnhooksearrow	{MnSyB}{\mathrel}
609	\Decl\Mn@Char\ncnrhooktrightharpoon	{MnSyB}{\mathrel}
610	\Decl\Mn@Char\ncnrhookuparrow	{MnSyB}{\mathrel}
611	\Decl\Mn@Char\ncnrhookleftarrow	{MnSyB}{\mathrel}
612	\Decl\Mn@Alias\ncnrhookleftarrow	{MnSyB}{\mathrel}
613	\Decl\Mn@Char\ncnrhookdownarrow	{MnSyB}{\mathrel}
614	\Decl\Mn@Char\ncnrhooknearrow	{MnSyB}{\mathrel}
615	\Decl\Mn@Char\ncnrhooknwarrow	{MnSyB}{\mathrel}
616	\Decl\Mn@Char\ncnrhookswarrow	{MnSyB}{\mathrel}
617	\Decl\Mn@Char\ncnrhooksearrow	{MnSyB}{\mathrel}
618	\Decl\Mn@Char\ncnrightharpoonccw	{MnSyB}{\mathrel}
619	\Decl\Mn@Alias\ncnrightharpoonup	{MnSyB}{\mathrel}
620	\Decl\Mn@Char\ncnupharpoonccw	{MnSyB}{\mathrel}
621	\Decl\Mn@Alias\ncnupharpoonleft	{MnSyB}{\mathrel}
622	\Decl\Mn@Char\ncnleftharpoonccw	{MnSyB}{\mathrel}

623	<code>\DeclMn@Alias\leftarrow</code>	<code>{MnSyB}\mathrel</code>
624	<code>\DeclMn@Char\downharpoonccw</code>	<code>{MnSyB}\mathrel</code>
625	<code>\DeclMn@Alias\downharpoonright</code>	<code>{MnSyB}\mathrel</code>
626	<code>\DeclMn@Char\neharpoonccw</code>	<code>{MnSyB}\mathrel</code>
627	<code>\DeclMn@Char\nwharpoonccw</code>	<code>{MnSyB}\mathrel</code>
628	<code>\DeclMn@Char\swharpoonccw</code>	<code>{MnSyB}\mathrel</code>
629	<code>\DeclMn@Char\seharpoonccw</code>	<code>{MnSyB}\mathrel</code>
630	<code>\DeclMn@Char\rightharpooncw</code>	<code>{MnSyB}\mathrel</code>
631	<code>\DeclMn@Alias\rightharpoondown</code>	<code>{MnSyB}\mathrel</code>
632	<code>\DeclMn@Char\nupharpooncw</code>	<code>{MnSyB}\mathrel</code>
633	<code>\DeclMn@Alias\nupharpoonright</code>	<code>{MnSyB}\mathrel</code>
634	<code>\DeclMn@Alias\nrestriction</code>	<code>{MnSyB}\mathrel</code>
635	<code>\DeclMn@Char\leftarrow</code>	<code>{MnSyB}\mathrel</code>
636	<code>\DeclMn@Alias\leftarrow</code>	<code>{MnSyB}\mathrel</code>
637	<code>\DeclMn@Char\downharpooncw</code>	<code>{MnSyB}\mathrel</code>
638	<code>\DeclMn@Alias\downharpoonleft</code>	<code>{MnSyB}\mathrel</code>
639	<code>\DeclMn@Char\neharpooncw</code>	<code>{MnSyB}\mathrel</code>
640	<code>\DeclMn@Char\nwharpooncw</code>	<code>{MnSyB}\mathrel</code>
641	<code>\DeclMn@Char\swharpooncw</code>	<code>{MnSyB}\mathrel</code>
642	<code>\DeclMn@Char\seharpooncw</code>	<code>{MnSyB}\mathrel</code>
643	<code>\DeclMn@Char\lefttrightharpoonupdown</code>	<code>{MnSyB}\mathrel</code>
644	<code>\DeclMn@Char\nupdownharpoonleftright</code>	<code>{MnSyB}\mathrel</code>
645	<code>\DeclMn@Char\neswharpoonnwse</code>	<code>{MnSyB}\mathrel</code>
646	<code>\DeclMn@Char\nnwseharpoonnesw</code>	<code>{MnSyB}\mathrel</code>
647	<code>\DeclMn@Char\lefttrightharpoondownup</code>	<code>{MnSyB}\mathrel</code>
648	<code>\DeclMn@Char\nupdownharpoonrightleft</code>	<code>{MnSyB}\mathrel</code>
649	<code>\DeclMn@Char\neswharpoonsenw</code>	<code>{MnSyB}\mathrel</code>
650	<code>\DeclMn@Char\nnwseharpoonswne</code>	<code>{MnSyB}\mathrel</code>
651	<code>\DeclMn@Char\nrightleftharpoons</code>	<code>{MnSyB}\mathrel</code>
652	<code>\DeclMn@Char\nupdownharpoons</code>	<code>{MnSyB}\mathrel</code>
653	<code>\DeclMn@Char\neswharpoons</code>	<code>{MnSyB}\mathrel</code>
654	<code>\DeclMn@Char\nsenwharpoons</code>	<code>{MnSyB}\mathrel</code>
655	<code>\DeclMn@Char\lefttrightharpoons</code>	<code>{MnSyB}\mathrel</code>
656	<code>\DeclMn@Char\downupharpoons</code>	<code>{MnSyB}\mathrel</code>
657	<code>\DeclMn@Char\nswneharpoons</code>	<code>{MnSyB}\mathrel</code>
658	<code>\DeclMn@Char\nnwseharpoons</code>	<code>{MnSyB}\mathrel</code>
659	<code>\DeclMn@Char\ndashedrightarrow</code>	<code>{MnSyB}\mathrel</code>
660	<code>\DeclMn@Alias\ndashrightarrow</code>	<code>{MnSyB}\mathrel</code>
661	<code>\DeclMn@Alias\ndasharrow</code>	<code>{MnSyB}\mathrel</code>
662	<code>\DeclMn@Char\ndasheduparrow</code>	<code>{MnSyB}\mathrel</code>
663	<code>\DeclMn@Char\ndashedleftarrow</code>	<code>{MnSyB}\mathrel</code>
664	<code>\DeclMn@Alias\ndashleftarrow</code>	<code>{MnSyB}\mathrel</code>
665	<code>\DeclMn@Char\ndasheddownarrow</code>	<code>{MnSyB}\mathrel</code>
666	<code>\DeclMn@Char\ndashednearrow</code>	<code>{MnSyB}\mathrel</code>
667	<code>\DeclMn@Char\ndashednwarrow</code>	<code>{MnSyB}\mathrel</code>
668	<code>\DeclMn@Char\ndashedswarrow</code>	<code>{MnSyB}\mathrel</code>
669	<code>\DeclMn@Char\ndashedsearrow</code>	<code>{MnSyB}\mathrel</code>
670	<code>\DeclMn@Char\nrightspoon</code>	<code>{MnSyB}\mathrel</code>
671	<code>\DeclMn@Alias\nmultimap</code>	<code>{MnSyB}\mathrel</code>
672	<code>\DeclMn@Char\nupspoon</code>	<code>{MnSyB}\mathrel</code>
673	<code>\DeclMn@Char\nleftspoon</code>	<code>{MnSyB}\mathrel</code>
674	<code>\DeclMn@Char\downspoon</code>	<code>{MnSyB}\mathrel</code>
675	<code>\DeclMn@Char\nnespoon</code>	<code>{MnSyB}\mathrel</code>
676	<code>\DeclMn@Char\nnwspoon</code>	<code>{MnSyB}\mathrel</code>

677	<code>\Decl\Mn@Char\nswspoon</code>	<code>{MnSyB}{\mathrel}</code>
678	<code>\Decl\Mn@Char\nsespoon</code>	<code>{MnSyB}{\mathrel}</code>
679	<code>\Decl\Mn@Char\nrightfilledspoon</code>	<code>{MnSyB}{\mathrel}</code>
680	<code>\Decl\Mn@Char\nupfilledspoon</code>	<code>{MnSyB}{\mathrel}</code>
681	<code>\Decl\Mn@Char\nleftfilledspoon</code>	<code>{MnSyB}{\mathrel}</code>
682	<code>\Decl\Mn@Char\ndownfilledspoon</code>	<code>{MnSyB}{\mathrel}</code>
683	<code>\Decl\Mn@Char\nnefilledspoon</code>	<code>{MnSyB}{\mathrel}</code>
684	<code>\Decl\Mn@Char\nnwfilledspoon</code>	<code>{MnSyB}{\mathrel}</code>
685	<code>\Decl\Mn@Char\nswfilledspoon</code>	<code>{MnSyB}{\mathrel}</code>
686	<code>\Decl\Mn@Char\nsefilledspoon</code>	<code>{MnSyB}{\mathrel}</code>
687	<code>\Decl\Mn@Char\nrightfootline</code>	<code>{MnSyB}{\mathrel}</code>
688	<code>\Decl\Mn@Char\nupfootline</code>	<code>{MnSyB}{\mathrel}</code>
689	<code>\Decl\Mn@Char\nleftfootline</code>	<code>{MnSyB}{\mathrel}</code>
690	<code>\Decl\Mn@Char\ndownfootline</code>	<code>{MnSyB}{\mathrel}</code>
691	<code>\Decl\Mn@Char\nnefootline</code>	<code>{MnSyB}{\mathrel}</code>
692	<code>\Decl\Mn@Char\nnwfootline</code>	<code>{MnSyB}{\mathrel}</code>
693	<code>\Decl\Mn@Char\nswfootline</code>	<code>{MnSyB}{\mathrel}</code>
694	<code>\Decl\Mn@Char\nsefootline</code>	<code>{MnSyB}{\mathrel}</code>
695	<code>\Decl\Mn@Char\nrightfree</code>	<code>{MnSyB}{\mathrel}</code>
696	<code>\Decl\Mn@Char\nupfree</code>	<code>{MnSyB}{\mathrel}</code>
697	<code>\Decl\Mn@Char\nleftfree</code>	<code>{MnSyB}{\mathrel}</code>
698	<code>\Decl\Mn@Char\ndownfree</code>	<code>{MnSyB}{\mathrel}</code>
699	<code>\Decl\Mn@Char\nnefree</code>	<code>{MnSyB}{\mathrel}</code>
700	<code>\Decl\Mn@Char\nnwfree</code>	<code>{MnSyB}{\mathrel}</code>
701	<code>\Decl\Mn@Char\nswfree</code>	<code>{MnSyB}{\mathrel}</code>
702	<code>\Decl\Mn@Char\nsefree</code>	<code>{MnSyB}{\mathrel}</code>
703	<code>\Decl\Mn@Char\nrightpitchfork</code>	<code>{MnSyB}{\mathrel}</code>
704	<code>\Decl\Mn@Char\nuppitchfork</code>	<code>{MnSyB}{\mathrel}</code>
705	<code>\Decl\Mn@Alias\npitchfork</code>	<code>{MnSyB}{\mathrel}</code>
706	<code>\Decl\Mn@Char\nleftpitchfork</code>	<code>{MnSyB}{\mathrel}</code>
707	<code>\Decl\Mn@Char\ndownpitchfork</code>	<code>{MnSyB}{\mathrel}</code>
708	<code>\Decl\Mn@Char\nnepitchfork</code>	<code>{MnSyB}{\mathrel}</code>
709	<code>\Decl\Mn@Char\nwppitchfork</code>	<code>{MnSyB}{\mathrel}</code>
710	<code>\Decl\Mn@Char\nswpitchfork</code>	<code>{MnSyB}{\mathrel}</code>
711	<code>\Decl\Mn@Char\nsepitchfork</code>	<code>{MnSyB}{\mathrel}</code>
712	<code>\Decl\Mn@Char\nrightarrows</code>	<code>{MnSyB}{\mathrel}</code>
713	<code>\Decl\Mn@Char\nuparrows</code>	<code>{MnSyB}{\mathrel}</code>
714	<code>\Decl\Mn@Char\nleftarrows</code>	<code>{MnSyB}{\mathrel}</code>
715	<code>\Decl\Mn@Char\ndowndownarrows</code>	<code>{MnSyB}{\mathrel}</code>
716	<code>\Decl\Mn@Char\nenearrows</code>	<code>{MnSyB}{\mathrel}</code>
717	<code>\Decl\Mn@Char\nwnwarrows</code>	<code>{MnSyB}{\mathrel}</code>
718	<code>\Decl\Mn@Char\nswwarrows</code>	<code>{MnSyB}{\mathrel}</code>
719	<code>\Decl\Mn@Char\nsewarrows</code>	<code>{MnSyB}{\mathrel}</code>
720	<code>\Decl\Mn@Char\nrightleftarrows</code>	<code>{MnSyB}{\mathrel}</code>
721	<code>\Decl\Mn@Char\nupdownarrows</code>	<code>{MnSyB}{\mathrel}</code>
722	<code>\Decl\Mn@Char\nneswarrows</code>	<code>{MnSyB}{\mathrel}</code>
723	<code>\Decl\Mn@Char\nnwsearrows</code>	<code>{MnSyB}{\mathrel}</code>
724	<code>\Decl\Mn@Char\nleftrightarrows</code>	<code>{MnSyB}{\mathrel}</code>
725	<code>\Decl\Mn@Char\ndownuparrows</code>	<code>{MnSyB}{\mathrel}</code>
726	<code>\Decl\Mn@Char\nswnearrows</code>	<code>{MnSyB}{\mathrel}</code>
727	<code>\Decl\Mn@Char\nsenwarrows</code>	<code>{MnSyB}{\mathrel}</code>
728	<code>\Decl\Mn@Char\nrightlsquigarrow</code>	<code>{MnSyB}{\mathrel}</code>
729	<code>\Decl\Mn@Alias\nleadsto</code>	<code>{MnSyB}{\mathrel}</code>
730	<code>\Decl\Mn@Alias\nrightsquigarrow</code>	<code>{MnSyB}{\mathrel}</code>

731	\Decl\Mn@Char\nuplsquigarrow	{MnSyB}{\mathrel}
732	\Decl\Mn@Char\nleftlsquigarrow	{MnSyB}{\mathrel}
733	\Decl\Mn@Char\ndownlsquigarrow	{MnSyB}{\mathrel}
734	\Decl\Mn@Char\nnelsquigarrow	{MnSyB}{\mathrel}
735	\Decl\Mn@Char\nnwlsquigarrow	{MnSyB}{\mathrel}
736	\Decl\Mn@Char\nswlsquigarrow	{MnSyB}{\mathrel}
737	\Decl\Mn@Char\nselsquigarrow	{MnSyB}{\mathrel}
738	\Decl\Mn@Char\nrightrsquigarrow	{MnSyB}{\mathrel}
739	\Decl\Mn@Char\nuprsquigarrow	{MnSyB}{\mathrel}
740	\Decl\Mn@Char\nleftrsquigarrow	{MnSyB}{\mathrel}
741	\Decl\Mn@Char\ndownrsquigarrow	{MnSyB}{\mathrel}
742	\Decl\Mn@Char\nnersquigarrow	{MnSyB}{\mathrel}
743	\Decl\Mn@Char\nnwrsquigarrow	{MnSyB}{\mathrel}
744	\Decl\Mn@Char\nswrsquigarrow	{MnSyB}{\mathrel}
745	\Decl\Mn@Char\nsersquigarrow	{MnSyB}{\mathrel}
746	\Decl\Mn@Char\nsquigarrowleftright	{MnSyB}{\mathrel}
747	\Decl\Mn@Alias\nleftrightsquigarrow	{MnSyB}{\mathrel}
748	\Decl\Mn@Char\nsquigarrowupdown	{MnSyB}{\mathrel}
749	\Decl\Mn@Char\nsquigarrowrightleft	{MnSyB}{\mathrel}
750	\Decl\Mn@Char\nsquigarrowdownup	{MnSyB}{\mathrel}
751	\Decl\Mn@Char\nsquigarrownesw	{MnSyB}{\mathrel}
752	\Decl\Mn@Char\nsquigarrownwse	{MnSyB}{\mathrel}
753	\Decl\Mn@Char\nsquigarrowswne	{MnSyB}{\mathrel}
754	\Decl\Mn@Char\nsquigarrowsenw	{MnSyB}{\mathrel}
755	\Decl\Mn@Char\nlcurvearrowright	{MnSyB}{\mathrel}
756	\Decl\Mn@Alias\ncurvearrowright	{MnSyB}{\mathrel}
757	\Decl\Mn@Char\nlcurvearrowup	{MnSyB}{\mathrel}
758	\Decl\Mn@Char\nlcurvearrowleft	{MnSyB}{\mathrel}
759	\Decl\Mn@Char\nlcurvearrowdown	{MnSyB}{\mathrel}
760	\Decl\Mn@Char\nlcurvearrowne	{MnSyB}{\mathrel}
761	\Decl\Mn@Char\nlcurvearrownw	{MnSyB}{\mathrel}
762	\Decl\Mn@Char\nlcurvearrowsw	{MnSyB}{\mathrel}
763	\Decl\Mn@Char\nlcurvearrowse	{MnSyB}{\mathrel}
764	\Decl\Mn@Char\nrcurvearrowright	{MnSyB}{\mathrel}
765	\Decl\Mn@Char\nrcurvearrowup	{MnSyB}{\mathrel}
766	\Decl\Mn@Char\nrcurvearrowleft	{MnSyB}{\mathrel}
767	\Decl\Mn@Alias\ncurvearrowleft	{MnSyB}{\mathrel}
768	\Decl\Mn@Char\nrcurvearrowdown	{MnSyB}{\mathrel}
769	\Decl\Mn@Char\nrcurvearrowne	{MnSyB}{\mathrel}
770	\Decl\Mn@Char\nrcurvearrownw	{MnSyB}{\mathrel}
771	\Decl\Mn@Char\nrcurvearrowsw	{MnSyB}{\mathrel}
772	\Decl\Mn@Char\nrcurvearrowse	{MnSyB}{\mathrel}
773	\Decl\Mn@Char\ncurvearrowleftright	{MnSyB}{\mathrel}
774	\Decl\Mn@Char\ncurvearrowupdown	{MnSyB}{\mathrel}
775	\Decl\Mn@Char\ncurvearrowrightleft	{MnSyB}{\mathrel}
776	\Decl\Mn@Char\ncurvearrowdownup	{MnSyB}{\mathrel}
777	\Decl\Mn@Char\ncurvearrownesw	{MnSyB}{\mathrel}
778	\Decl\Mn@Char\ncurvearrownwse	{MnSyB}{\mathrel}
779	\Decl\Mn@Char\ncurvearrowswne	{MnSyB}{\mathrel}
780	\Decl\Mn@Char\ncurvearrowsenw	{MnSyB}{\mathrel}
781	\Decl\Mn@Char\nleftrightline	{MnSyB}{\mathrel}
782	\Decl\Mn@Alias\nrelbar	{MnSyB}{\mathrel}
783	\Decl\Mn@Char\nupdownline	{MnSyB}{\mathrel}
784	\Decl\Mn@Alias\ndivides	{MnSyB}{\mathrel}

785	<code>\DeclMn@Alias\nmid</code>	<code>{MnSyB}{\mathrel}</code>
786	<code>\DeclMn@Char\nceswline</code>	<code>{MnSyB}{\mathrel}</code>
787	<code>\DeclMn@Alias\ndiagup</code>	<code>{MnSyB}{\mathrel}</code>
788	<code>\DeclMn@Char\nceswline</code>	<code>{MnSyB}{\mathrel}</code>
789	<code>\DeclMn@Alias\ndiagdown</code>	<code>{MnSyB}{\mathrel}</code>
790	<code>\DeclMn@Char\nclefttrightline</code>	<code>{MnSyB}{\mathrel}</code>
791	<code>\DeclMn@Alias\ncRelbar</code>	<code>{MnSyB}{\mathrel}</code>
792	<code>\DeclMn@Char\ncUpdownline</code>	<code>{MnSyB}{\mathrel}</code>
793	<code>\DeclMn@Alias\ncnparallel</code>	<code>{MnSyB}{\mathrel}</code>
794	<code>\DeclMn@Char\ncNeswline</code>	<code>{MnSyB}{\mathrel}</code>
795	<code>\DeclMn@Char\ncNwseline</code>	<code>{MnSyB}{\mathrel}</code>
796	<code>\DeclMn@Char\ncrightvdash</code>	<code>{MnSyB}{\mathrel}</code>
797	<code>\DeclMn@Alias\ncvdash</code>	<code>{MnSyB}{\mathrel}</code>
798	<code>\DeclMn@Char\ncupvdash</code>	<code>{MnSyB}{\mathrel}</code>
799	<code>\DeclMn@Alias\ncnperp</code>	<code>{MnSyB}{\mathrel}</code>
800	<code>\DeclMn@Char\ncleftvdash</code>	<code>{MnSyB}{\mathrel}</code>
801	<code>\DeclMn@Alias\ncdashv</code>	<code>{MnSyB}{\mathrel}</code>
802	<code>\DeclMn@Char\ncdownvdash</code>	<code>{MnSyB}{\mathrel}</code>
803	<code>\DeclMn@Char\ncnevvdash</code>	<code>{MnSyB}{\mathrel}</code>
804	<code>\DeclMn@Char\ncnnwvdash</code>	<code>{MnSyB}{\mathrel}</code>
805	<code>\DeclMn@Char\ncnswvdash</code>	<code>{MnSyB}{\mathrel}</code>
806	<code>\DeclMn@Char\ncnsevdash</code>	<code>{MnSyB}{\mathrel}</code>
807	<code>\DeclMn@Char\ncrightmodels</code>	<code>{MnSyB}{\mathrel}</code>
808	<code>\DeclMn@Alias\ncnmodels</code>	<code>{MnSyB}{\mathrel}</code>
809	<code>\DeclMn@Alias\ncnVDash</code>	<code>{MnSyB}{\mathrel}</code>
810	<code>\DeclMn@Char\ncnupmodels</code>	<code>{MnSyB}{\mathrel}</code>
811	<code>\DeclMn@Char\ncnleftmodels</code>	<code>{MnSyB}{\mathrel}</code>
812	<code>\DeclMn@Char\ncndownmodels</code>	<code>{MnSyB}{\mathrel}</code>
813	<code>\DeclMn@Char\ncnnemodells</code>	<code>{MnSyB}{\mathrel}</code>
814	<code>\DeclMn@Char\ncnnwmodels</code>	<code>{MnSyB}{\mathrel}</code>
815	<code>\DeclMn@Char\ncnswmodels</code>	<code>{MnSyB}{\mathrel}</code>
816	<code>\DeclMn@Char\ncnsemodells</code>	<code>{MnSyB}{\mathrel}</code>
817	<code>\DeclMn@Char\ncnrightVdash</code>	<code>{MnSyB}{\mathrel}</code>
818	<code>\DeclMn@Alias\ncnVdash</code>	<code>{MnSyB}{\mathrel}</code>
819	<code>\DeclMn@Char\ncnupVdash</code>	<code>{MnSyB}{\mathrel}</code>
820	<code>\DeclMn@Char\ncnleftVdash</code>	<code>{MnSyB}{\mathrel}</code>
821	<code>\DeclMn@Char\ncndownVdash</code>	<code>{MnSyB}{\mathrel}</code>
822	<code>\DeclMn@Char\ncnneVdash</code>	<code>{MnSyB}{\mathrel}</code>
823	<code>\DeclMn@Char\ncnnwVdash</code>	<code>{MnSyB}{\mathrel}</code>
824	<code>\DeclMn@Char\ncnswVdash</code>	<code>{MnSyB}{\mathrel}</code>
825	<code>\DeclMn@Char\ncnseVdash</code>	<code>{MnSyB}{\mathrel}</code>
826	<code>\DeclMn@Char\ncnrightModels</code>	<code>{MnSyB}{\mathrel}</code>
827	<code>\DeclMn@Alias\ncnVDash</code>	<code>{MnSyB}{\mathrel}</code>
828	<code>\DeclMn@Char\ncnupModels</code>	<code>{MnSyB}{\mathrel}</code>
829	<code>\DeclMn@Char\ncnleftModels</code>	<code>{MnSyB}{\mathrel}</code>
830	<code>\DeclMn@Char\ncndownModels</code>	<code>{MnSyB}{\mathrel}</code>
831	<code>\DeclMn@Char\ncnneModels</code>	<code>{MnSyB}{\mathrel}</code>
832	<code>\DeclMn@Char\ncnnwModels</code>	<code>{MnSyB}{\mathrel}</code>
833	<code>\DeclMn@Char\ncnswModels</code>	<code>{MnSyB}{\mathrel}</code>
834	<code>\DeclMn@Char\ncnseModels</code>	<code>{MnSyB}{\mathrel}</code>
835	<code>\DeclMn@Char\ncncirclearrowright</code>	<code>{MnSyB}{\mathrel}</code>
836	<code>\DeclMn@Char\ncncirclearrowup</code>	<code>{MnSyB}{\mathrel}</code>
837	<code>\DeclMn@Alias\ncncirclearrowleft</code>	<code>{MnSyB}{\mathrel}</code>
838	<code>\DeclMn@Char\ncncirclearrowleft</code>	<code>{MnSyB}{\mathrel}</code>

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839 \Decl\Mn@Char\ncirclearrowdown {MnSyB}{\mathrel}
840 \Decl\Mn@Char\ncirclearrowright {MnSyB}{\mathrel}
841 \Decl\Mn@Char\ncirclearrowup {MnSyB}{\mathrel}
842 \Decl\Mn@Alias\ncirclearrowright {MnSyB}{\mathrel}
843 \Decl\Mn@Char\ncirclearrowleft {MnSyB}{\mathrel}
844 \Decl\Mn@Char\ncirclearrowdown {MnSyB}{\mathrel}

MnSymbolC: operators.
845 \Set\Mn@Sym{0}
846 \Decl\Mn@Char\cdot {MnSyC}{\mathbin}
847 \Decl\Mn@Alias\cdotp {MnSyC}{\mathpunct}
848 \Decl\Mn@Char\hdotdot {MnSyC}{\mathbin}
849 \Decl\Mn@Char\vdotdot {MnSyC}{\mathbin}
850 \Decl\Mn@Alias\colon {MnSyC}{\mathpunct}
851 \Decl\Mn@Char\udotdot {MnSyC}{\mathbin}
852 \Decl\Mn@Char\ddotdot {MnSyC}{\mathbin}
853 \Decl\Mn@Char\hdots {MnSyC}{\mathord}
854 \Decl\Mn@Alias@\cdots {MnSyC}{\mathinner}
855 % \DeclareRobustCommand{\@cdots}{\mathinner{\hdots}}
856 \let\cdots\@cdots
857 \Decl\Mn@Char@\vdots {MnSyC}{\mathord}
858 \DeclareRobustCommand{\vdots}{%
859 \ifmmode \@vdots \else \hbox{$\@vdots$}\fi}
860 \Decl\Mn@Char\udots {MnSyC}{\mathord}
861 \Decl\Mn@Char\ddots {MnSyC}{\mathord}
862 \Decl\Mn@Char\righttherefore {MnSyC}{\mathbin}
863 \Decl\Mn@Char\uptherefore {MnSyC}{\mathbin}
864 \Decl\Mn@Alias\therefore {MnSyC}{\mathbin}
865 \Decl\Mn@Char\lefttherefore {MnSyC}{\mathbin}
866 \Decl\Mn@Char\downtherefore {MnSyC}{\mathbin}
867 \Decl\Mn@Alias\because {MnSyC}{\mathbin}
868 \Decl\Mn@Char\diamonddots {MnSyC}{\mathbin}
869 \Decl\Mn@Char\squaredots {MnSyC}{\mathbin}
870 \Decl\Mn@Char\fivedots {MnSyC}{\mathbin}
871 \Decl\Mn@Char\minus {MnSyC}{\mathbin}
872 \Decl\Mn@Char\medvert {MnSyC}{\mathbin}
873 \Decl\Mn@Alias\shortmid {MnSyC}{\mathrel}
874 \Decl\Mn@Char\medslash {MnSyC}{\mathbin}
875 \Decl\Mn@Char\medbackslash {MnSyC}{\mathbin}
876 \Decl\Mn@Alias\setminus {MnSyC}{\mathbin}
877 \Decl\Mn@Alias\smallsetminus {MnSyC}{\mathbin}
878 \Decl\Mn@Char\plus {MnSyC}{\mathbin}
879 \Decl\Mn@Char\times {MnSyC}{\mathbin}
880 \Decl\Mn@Char\pm {MnSyC}{\mathbin}
881 \Decl\Mn@Char\mp {MnSyC}{\mathbin}
882 \Decl\Mn@Char\dotminus {MnSyC}{\mathbin}
883 \Decl\Mn@Char\dotmedvert {MnSyC}{\mathbin}
884 \Decl\Mn@Char\minusdot {MnSyC}{\mathbin}
885 \Decl\Mn@Char\medvertdot {MnSyC}{\mathbin}
886 \Decl\Mn@Char\div {MnSyC}{\mathbin}
887 \Decl\Mn@Char\slashdiv {MnSyC}{\mathbin}
888 \Decl\Mn@Char\vertdiv {MnSyC}{\mathbin}
889 \Decl\Mn@Char\backslashdiv {MnSyC}{\mathbin}
890 \Decl\Mn@Char\neg {MnSyC}{\mathord}
891 \Decl\Mn@Alias\not {MnSyC}{\mathord}

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892	<code>\DeclMn@Alias\minushookdown</code>	<code>{MnSyC}{\mathbin}</code>
893	<code>\DeclMn@Char\backneg</code>	<code>{MnSyC}{\mathord}</code>
894	<code>\DeclMn@Alias\hookdownminus</code>	<code>{MnSyC}{\mathbin}</code>
895	<code>\DeclMn@Char\dtimes</code>	<code>{MnSyC}{\mathbin}</code>
896	<code>\DeclMn@Char\rtimes</code>	<code>{MnSyC}{\mathbin}</code>
897	<code>\DeclMn@Char\utimes</code>	<code>{MnSyC}{\mathbin}</code>
898	<code>\DeclMn@Char\ltimes</code>	<code>{MnSyC}{\mathbin}</code>
899	<code>\DeclMn@Char\bowtie</code>	<code>{MnSyC}{\mathbin}</code>
900	<code>\DeclMn@Alias\Join</code>	<code>{MnSyC}{\mathbin}</code>
901	<code>\DeclMn@Char\vertbowtie</code>	<code>{MnSyC}{\mathbin}</code>
902	<code>\DeclMn@Char\rightY</code>	<code>{MnSyC}{\mathbin}</code>
903	<code>\DeclMn@Char\upY</code>	<code>{MnSyC}{\mathbin}</code>
904	<code>\DeclMn@Char\leftY</code>	<code>{MnSyC}{\mathbin}</code>
905	<code>\DeclMn@Char\downY</code>	<code>{MnSyC}{\mathbin}</code>
906	<code>\DeclMn@Char\wedge</code>	<code>{MnSyC}{\mathbin}</code>
907	<code>\DeclMn@Alias\land</code>	<code>{MnSyC}{\mathbin}</code>
908	<code>\DeclMn@Char\vee</code>	<code>{MnSyC}{\mathbin}</code>
909	<code>\DeclMn@Alias\lor</code>	<code>{MnSyC}{\mathbin}</code>
910	<code>\DeclMn@Char\wedgedot</code>	<code>{MnSyC}{\mathbin}</code>
911	<code>\DeclMn@Char\veedot</code>	<code>{MnSyC}{\mathbin}</code>
912	<code>\DeclMn@Char\doublewedge</code>	<code>{MnSyC}{\mathbin}</code>
913	<code>\DeclMn@Char\doublevee</code>	<code>{MnSyC}{\mathbin}</code>
914	<code>\DeclMn@Char\curlywedge</code>	<code>{MnSyC}{\mathbin}</code>
915	<code>\DeclMn@Char\curlyvee</code>	<code>{MnSyC}{\mathbin}</code>
916	<code>\DeclMn@Char\curlywedgedot</code>	<code>{MnSyC}{\mathbin}</code>
917	<code>\DeclMn@Char\curlyveedot</code>	<code>{MnSyC}{\mathbin}</code>
918	<code>\DeclMn@Char\doublecurlywedge</code>	<code>{MnSyC}{\mathbin}</code>
919	<code>\DeclMn@Char\doublecurlyvee</code>	<code>{MnSyC}{\mathbin}</code>
920	<code>\DeclMn@Char\cup</code>	<code>{MnSyC}{\mathbin}</code>
921	<code>\DeclMn@Char\cap</code>	<code>{MnSyC}{\mathbin}</code>
922	<code>\DeclMn@Char\doublecup</code>	<code>{MnSyC}{\mathbin}</code>
923	<code>\DeclMn@Alias\Cup</code>	<code>{MnSyC}{\mathbin}</code>
924	<code>\DeclMn@Char\doublecap</code>	<code>{MnSyC}{\mathbin}</code>
925	<code>\DeclMn@Alias\Cap</code>	<code>{MnSyC}{\mathbin}</code>
926	<code>\DeclMn@Char\cupdot</code>	<code>{MnSyC}{\mathbin}</code>
927	<code>\DeclMn@Char\capdot</code>	<code>{MnSyC}{\mathbin}</code>
928	<code>\DeclMn@Char\cupplus</code>	<code>{MnSyC}{\mathbin}</code>
929	<code>\DeclMn@Alias\uplus</code>	<code>{MnSyC}{\mathbin}</code>
930	<code>\DeclMn@Char\capplus</code>	<code>{MnSyC}{\mathbin}</code>
931	<code>\DeclMn@Char\sqcup</code>	<code>{MnSyC}{\mathbin}</code>
932	<code>\DeclMn@Char\sqcap</code>	<code>{MnSyC}{\mathbin}</code>
933	<code>\DeclMn@Char\doublecup</code>	<code>{MnSyC}{\mathbin}</code>
934	<code>\DeclMn@Char\doublecap</code>	<code>{MnSyC}{\mathbin}</code>
935	<code>\DeclMn@Char\sqcupdot</code>	<code>{MnSyC}{\mathbin}</code>
936	<code>\DeclMn@Char\sqcapdot</code>	<code>{MnSyC}{\mathbin}</code>
937	<code>\DeclMn@Char\sqcupplus</code>	<code>{MnSyC}{\mathbin}</code>
938	<code>\DeclMn@Char\sqcapplus</code>	<code>{MnSyC}{\mathbin}</code>
939	<code>\DeclMn@Char\smalltriangleright</code>	<code>{MnSyC}{\mathbin}</code>
940	<code>\DeclMn@Char\smalltriangleup</code>	<code>{MnSyC}{\mathbin}</code>
941	<code>\DeclMn@Char\smalltriangleleft</code>	<code>{MnSyC}{\mathbin}</code>
942	<code>\DeclMn@Char\smalltriangledown</code>	<code>{MnSyC}{\mathbin}</code>
943	<code>\DeclMn@Char\filledtriangleright</code>	<code>{MnSyC}{\mathbin}</code>
944	<code>\DeclMn@Alias\blacktriangleright</code>	<code>{MnSyC}{\mathbin}</code>
945	<code>\DeclMn@Char\filledtriangleup</code>	<code>{MnSyC}{\mathbin}</code>

946 \Decl\Mn@Char\filledtriangleleft	{MnSyC}{\mathbin}
947 \Decl\Mn@Alias\blacktriangleleft	{MnSyC}{\mathbin}
948 \Decl\Mn@Char\filledtriangledown	{MnSyC}{\mathbin}
949 \Decl\Mn@Char\medtriangleright	{MnSyC}{\mathbin}
950 \Decl\Mn@Alias\triangleright	{MnSyC}{\mathbin}
951 \Decl\Mn@Char\medtriangleup	{MnSyC}{\mathbin}
952 \Decl\Mn@Alias\triangle	{MnSyC}{\mathbin}
953 \Decl\Mn@Alias\vartriangle	{MnSyC}{\mathbin}
954 \Decl\Mn@Alias\bigtriangleup	{MnSyC}{\mathbin}
955 \Decl\Mn@Char\medtriangleleft	{MnSyC}{\mathbin}
956 \Decl\Mn@Alias\triangleleft	{MnSyC}{\mathbin}
957 \Decl\Mn@Char\medtriangledown	{MnSyC}{\mathbin}
958 \Decl\Mn@Alias\bigtriangledown	{MnSyC}{\mathbin}
959 \Decl\Mn@Alias\triangledown	{MnSyC}{\mathbin}
960 \Decl\Mn@Char\largetriangleright	{MnSyC}{\mathord}
961 \Decl\Mn@Char\largetriangleup	{MnSyC}{\mathord}
962 \Decl\Mn@Char\largetriangleleft	{MnSyC}{\mathord}
963 \Decl\Mn@Char\largetriangledown	{MnSyC}{\mathord}
964 \Decl\Mn@Char\circ	{MnSyC}{\mathbin}
965 \Decl\Mn@Char\bullet	{MnSyC}{\mathbin}
966 \Decl\Mn@Char\medcircle	{MnSyC}{\mathbin}
967 \Decl\Mn@Char\largecircle	{MnSyC}{\mathord}
968 \Decl\Mn@Alias\bigcirc	{MnSyC}{\mathord}
969 \Decl\Mn@Char\ominus	{MnSyC}{\mathbin}
970 \Decl\Mn@Alias\circleddash	{MnSyC}{\mathbin}
971 \Decl\Mn@Char\overt	{MnSyC}{\mathbin}
972 \Decl\Mn@Char\oslash	{MnSyC}{\mathbin}
973 \Decl\Mn@Char\obackslash	{MnSyC}{\mathbin}
974 \Decl\Mn@Char\oplus	{MnSyC}{\mathbin}
975 \Decl\Mn@Char\otimes	{MnSyC}{\mathbin}
976 \Decl\Mn@Char\odot	{MnSyC}{\mathbin}
977 \Decl\Mn@Char\ocirc	{MnSyC}{\mathbin}
978 \Decl\Mn@Alias\circledcirc	{MnSyC}{\mathbin}
979 \Decl\Mn@Char\otriangle	{MnSyC}{\mathbin}
980 \Decl\Mn@Char\oast	{MnSyC}{\mathbin}
981 \Decl\Mn@Alias\circledast	{MnSyC}{\mathbin}
982 \Decl\Mn@Char\ostar	{MnSyC}{\mathbin}
983 \Decl\Mn@Char\diameter	{MnSyC}{\mathord}
984 \Decl\Mn@Alias\emptyset	{MnSyC}{\mathord}
985 \Decl\Mn@Alias\varnothing	{MnSyC}{\mathord}
986 \Decl\Mn@Char\smallsquare	{MnSyC}{\mathbin}
987 \Decl\Mn@Char\filledsquare	{MnSyC}{\mathbin}
988 \Decl\Mn@Char\medsquare	{MnSyC}{\mathbin}
989 \Decl\Mn@Alias\square	{MnSyC}{\mathbin}
990 \Decl\Mn@Alias\Box	{MnSyC}{\mathbin}
991 \Decl\Mn@Char\largsquare	{MnSyC}{\mathord}
992 \Decl\Mn@Char\smalldiamond	{MnSyC}{\mathbin}
993 \Decl\Mn@Alias\diamond	{MnSyC}{\mathbin}
994 \Decl\Mn@Char\filleddiamond	{MnSyC}{\mathbin}
995 \Decl\Mn@Char\meddiamond	{MnSyC}{\mathbin}
996 \Decl\Mn@Alias\diamond	{MnSyC}{\mathbin}
997 \Decl\Mn@Char\largediamond	{MnSyC}{\mathord}
998 \Decl\Mn@Char\boxminus	{MnSyC}{\mathbin}
999 \Decl\Mn@Char\boxvert	{MnSyC}{\mathbin}

1000	\Decl\Mn@Char\boxslash	{MnSyC}{\mathbin}
1001	\Decl\Mn@Char\boxbackslash	{MnSyC}{\mathbin}
1002	\Decl\Mn@Char\boxplus	{MnSyC}{\mathbin}
1003	\Decl\Mn@Char\boxtimes	{MnSyC}{\mathbin}
1004	\Decl\Mn@Char\boxdot	{MnSyC}{\mathbin}
1005	\Decl\Mn@Char\boxbox	{MnSyC}{\mathbin}
1006	\Decl\Mn@Char\diamondminus	{MnSyC}{\mathbin}
1007	\Decl\Mn@Char\diamondvert	{MnSyC}{\mathbin}
1008	\Decl\Mn@Char\diamondslash	{MnSyC}{\mathbin}
1009	\Decl\Mn@Char\diamondbackslash	{MnSyC}{\mathbin}
1010	\Decl\Mn@Char\diamondplus	{MnSyC}{\mathbin}
1011	\Decl\Mn@Char\diamondtimes	{MnSyC}{\mathbin}
1012	\Decl\Mn@Char\diamonddot	{MnSyC}{\mathbin}
1013	\Decl\Mn@Char\diamondddiamond	{MnSyC}{\mathbin}
1014	\Decl\Mn@Char\smallstar	{MnSyC}{\mathbin}
1015	\Decl\Mn@Char\filledstar	{MnSyC}{\mathbin}
1016	\Decl\Mn@Char\medstar	{MnSyC}{\mathbin}
1017	\Decl\Mn@Char\largestar	{MnSyC}{\mathord}
1018	\Decl\Mn@Char\pentagram	{MnSyC}{\mathbin}
1019	\Decl\Mn@Char\largepentagram	{MnSyC}{\mathord}
1020	\Decl\Mn@Char\thinstar	{MnSyC}{\mathbin}
1021	\Decl\Mn@Alias\star	{MnSyC}{\mathbin}
1022	\Decl\Mn@Char\ast	{MnSyC}{\mathbin}
1023	\Decl\Mn@Char\hbarpropto	{MnSyC}{\mathbin}
1024	\Decl\Mn@Char\newbipropo	{MnSyC}{\mathbin}
1025	\Decl\Mn@Char\vbipropo	{MnSyC}{\mathbin}
1026	\Decl\Mn@Char\nwsebipropo	{MnSyC}{\mathbin}
1027	\Decl\Mn@Char\leftpropo	{MnSyC}{\mathrel}
1028	\Decl\Mn@Alias\propo	{MnSyC}{\mathrel}
1029	\Decl\Mn@Alias\varpropo	{MnSyC}{\mathrel}
1030	\Decl\Mn@Char\downpropo	{MnSyC}{\mathrel}
1031	\Decl\Mn@Char\rightpropo	{MnSyC}{\mathrel}
1032	\Decl\Mn@Char\uppropo	{MnSyC}{\mathrel}
1033	\Decl\Mn@Char\hcrossing	{MnSyC}{\mathrel}
1034	\Decl\Mn@Char\newscrossing	{MnSyC}{\mathrel}
1035	\Decl\Mn@Char\vcrossing	{MnSyC}{\mathrel}
1036	\Decl\Mn@Char\nwsecrossing	{MnSyC}{\mathrel}
1037	\Decl\Mn@Char\between	{MnSyC}{\mathrel}
1038	\Decl\Mn@Char\separated	{MnSyC}{\mathrel}
1039	\Decl\Mn@Char\bot	{MnSyC}{\mathord}
1040	\Decl\Mn@Char\top	{MnSyC}{\mathord}
1041	\Decl\Mn@Alias\intercal	{MnSyC}{\mathbin}
1042	\Decl\Mn@Char\wreath	{MnSyC}{\mathbin}
1043	\Decl\Mn@Alias\wr	{MnSyC}{\mathbin}
1044	\Decl\Mn@Char\angle	{MnSyC}{\mathord}
1045	\Decl\Mn@Char\measuredangle	{MnSyC}{\mathord}
1046	\Decl\Mn@Char\sphericalangle	{MnSyC}{\mathord}
1047	\Decl\Mn@Char\prime	{MnSyC}{\mathord}
1048	\Decl\Mn@Char\backprime	{MnSyC}{\mathord}
1049	\Decl\Mn@Char\smallprod	{MnSyC}{\mathbin}
1050	\Decl\Mn@Char\amalg	{MnSyC}{\mathbin}
1051	\Decl\Mn@Char\checkmark	{MnSyC}{\mathord}
1052	\Decl\Mn@Char\lightning	{MnSyC}{\mathord}
1053	\Decl\Mn@Char\diamondsuit	{MnSyC}{\mathord}

1054	\Decl\Mn@Char\heartsuit	{MnSyC}{\mathord}
1055	\Decl\Mn@Char\spadesuit	{MnSyC}{\mathord}
1056	\Decl\Mn@Char\clubsuit	{MnSyC}{\mathord}
1057	\Decl\Mn@Char\forall	{MnSyC}{\mathord}
1058	\Decl\Mn@Char\exists	{MnSyC}{\mathord}
1059	\Decl\Mn@Char\nexists	{MnSyC}{\mathord}
1060	\Decl\Mn@Char\nabla	{MnSyC}{\mathord}
1061	\Decl\Mn@Char\infty	{MnSyC}{\mathord}
1062	\Decl\Mn@Char\smallint	{MnSyC}{\mathop}
1063	\Decl\Mn@Char\flat	{MnSyC}{\mathop}
1064	\Decl\Mn@Char\natural	{MnSyC}{\mathop}
1065	\Decl\Mn@Char\sharp	{MnSyC}{\mathop}
1066	\Decl\Mn@Char\aleph	{MnSyC}{\mathord}
1067	\Decl\Mn@Char\beth	{MnSyC}{\mathord}
1068	\Decl\Mn@Char\gimel	{MnSyC}{\mathord}
1069	\Decl\Mn@Char\daleth	{MnSyC}{\mathord}
1070	\Decl\Mn@Char\wp	{MnSyC}{\mathord}
1071	\Decl\Mn@Char\powerset	{MnSyC}{\mathord}
1072	\Decl\Mn@Char\invneg	{MnSyC}{\mathord}
1073	\Decl\Mn@Alias\minushookup	{MnSyC}{\mathbin}
1074	\Decl\Mn@Char\invbackneg	{MnSyC}{\mathord}
1075	\Decl\Mn@Alias\hookupminus	{MnSyC}{\mathbin}
1076	\Decl\Mn@Char\lefthalfcup	{MnSyC}{\mathbin}
1077	\Decl\Mn@Char\righthalfcup	{MnSyC}{\mathbin}
1078	\Decl\Mn@Char\lefthalfcap	{MnSyC}{\mathbin}
1079	\Decl\Mn@Char\righthalfcap	{MnSyC}{\mathbin}
1080	\Decl\Mn@Char\closedsucc	{MnSyC}{\mathrel}
1081	\Decl\Mn@Char\closedcurlywedge	{MnSyC}{\mathbin}
1082	\Decl\Mn@Char\closedprec	{MnSyC}{\mathrel}
1083	\Decl\Mn@Char\closedcurlyvee	{MnSyC}{\mathbin}
1084	\Decl\Mn@Char\rightrightarrows	{MnSyC}{\mathrel}
1085	\Decl\Mn@Char\upslant	{MnSyC}{\mathbin}
1086	\Decl\Mn@Char\leftslant	{MnSyC}{\mathrel}
1087	\Decl\Mn@Char\downslant	{MnSyC}{\mathbin}
1088	\Decl\Mn@Char\smalllozenge	{MnSyC}{\mathord}
1089	\Decl\Mn@Char\filledlozenge	{MnSyC}{\mathord}
1090	\Decl\Mn@Char\medlozenge	{MnSyC}{\mathord}
1091	\Decl\Mn@Alias\lozenge	{MnSyC}{\mathord}
1092	\Decl\Mn@Char\filledmedlozenge	{MnSyC}{\mathord}
1093	\Decl\Mn@Alias\blacklozenge	{MnSyC}{\mathord}
1094	\Decl\Mn@Char\largelozenge	{MnSyC}{\mathord}
1095	\Decl\Mn@Char\filledmedtriangleright	{MnSyC}{\mathbin}
1096	\Decl\Mn@Char\filledmedtriangleup	{MnSyC}{\mathbin}
1097	\Decl\Mn@Alias\blacktriangle	{MnSyC}{\mathbin}
1098	\Decl\Mn@Char\filledmedtriangleleft	{MnSyC}{\mathbin}
1099	\Decl\Mn@Char\filledmedtriangledown	{MnSyC}{\mathbin}
1100	\Decl\Mn@Alias\blacktriangledown	{MnSyC}{\mathbin}
1101	\Decl\Mn@Char\filledmedsquare	{MnSyC}{\mathbin}
1102	\Decl\Mn@Alias\blacksquare	{MnSyC}{\mathbin}
1103	\Decl\Mn@Char\filledlargestar	{MnSyC}{\mathord}
1104	\Decl\Mn@Alias\bigstar	{MnSyC}{\mathord}
1105	\Decl\Mn@Char\medstarofdavid	{MnSyC}{\mathord}
1106	\Decl\Mn@Char\largestarofdavid	{MnSyC}{\mathord}
1107	\Decl\Mn@Char\maltese	{MnSyC}{\mathord}

1108 \Set@Mn@Sym{220}	
1109 \Decl@Mn@Char\closedequal	{MnSyC}{\mathrel}
1110 \Decl@Mn@Char\equalclosed	{MnSyC}{\mathrel}
1111 \Decl@Mn@Char\equivclosed	{MnSyC}{\mathrel}
1112 \Decl@Mn@Char\lessssim	{MnSyC}{\mathrel}
1113 \Decl@Mn@Char\gtrsim	{MnSyC}{\mathrel}
1114 \Decl@Mn@Char\lessapprox	{MnSyC}{\mathrel}
1115 \Decl@Mn@Char\gtrapprox	{MnSyC}{\mathrel}
1116 \Decl@Mn@Char\eqslantless	{MnSyC}{\mathrel}
1117 \Decl@Mn@Char\eqslantgtr	{MnSyC}{\mathrel}
1118 \Decl@Mn@Char\curlyeqprec	{MnSyC}{\mathrel}
1119 \Decl@Mn@Char\curlyeqsucc	{MnSyC}{\mathrel}
1120 \Decl@Mn@Char\Rrightarrow	{MnSyC}{\mathrel}
1121 \Decl@Mn@Char\Lleftarrow	{MnSyC}{\mathrel}
1122 \Decl@Mn@Char\nclosedequal	{MnSyC}{\mathrel}
1123 \Decl@Mn@Char\nequalclosed	{MnSyC}{\mathrel}
1124 \Decl@Mn@Char\nequivclosed	{MnSyC}{\mathrel}
1125 \Decl@Mn@Char\lnsim	{MnSyC}{\mathrel}
1126 \Decl@Mn@Char\gnsim	{MnSyC}{\mathrel}
1127 \Decl@Mn@Char\lnapprox	{MnSyC}{\mathrel}
1128 \Decl@Mn@Char\gnapprox	{MnSyC}{\mathrel}
1129 \Decl@Mn@Char\neqslantless	{MnSyC}{\mathrel}
1130 \Decl@Mn@Char\neqslantgtr	{MnSyC}{\mathrel}
1131 \Decl@Mn@Char\ncurlyeqprec	{MnSyC}{\mathrel}
1132 \Decl@Mn@Char\ncurlyeqsucc	{MnSyC}{\mathrel}
1133 \Decl@Mn@Char\NRrightarrow	{MnSyC}{\mathrel}
1134 \Decl@Mn@Char\NLleftarrow	{MnSyC}{\mathrel}
1135 \Decl@Mn@Char\Rsh	{MnSyC}{\mathrel}
1136 \Decl@Mn@Char\Lsh	{MnSyC}{\mathrel}
1137 \Decl@Mn@Char\looparrowright	{MnSyC}{\mathrel}
1138 \Decl@Mn@Char\looparrowleft	{MnSyC}{\mathrel}
1139 \Decl@Mn@Char\leftthreetimes	{MnSyC}{\mathbin}
1140 \Decl@Mn@Char\rightthreetimes	{MnSyC}{\mathbin}
1141 \Decl@Mn@Char\Vdash	{MnSyC}{\mathrel}
1142 \Decl@Mn@Char\shortmid	{MnSyC}{\mathrel}
1143 \Decl@Mn@Char\shortparallel	{MnSyC}{\mathrel}
1144 \Decl@Mn@Char\nshortparallel	{MnSyC}{\mathrel}

MnSymbolD: Relations.

1145 \Set@Mn@Sym{0}	
1146 \Decl@Mn@Char\equal	{MnSyD}{\mathrel}
1147 \Decl@Mn@Char\equiv	{MnSyD}{\mathrel}
1148 \Decl@Mn@Char\sim	{MnSyD}{\mathrel}
1149 \Decl@Mn@Char\backsim	{MnSyD}{\mathrel}
1150 \Decl@Mn@Char\approx	{MnSyD}{\mathrel}
1151 \Decl@Mn@Char\backapprox	{MnSyD}{\mathrel}
1152 \Decl@Mn@Char\triplesim	{MnSyD}{\mathrel}
1153 \Decl@Mn@Char\backtriplesim	{MnSyD}{\mathrel}
1154 \Decl@Mn@Char\simeq	{MnSyD}{\mathrel}
1155 \Decl@Mn@Char\backsimeq	{MnSyD}{\mathrel}
1156 \Decl@Mn@Char\eqsim	{MnSyD}{\mathrel}
1157 \Decl@Mn@Char\backeqsim	{MnSyD}{\mathrel}
1158 \Decl@Mn@Char\cong	{MnSyD}{\mathrel}
1159 \Decl@Mn@Char\backcong	{MnSyD}{\mathrel}
1160 \Decl@Mn@Char\approxeq	{MnSyD}{\mathrel}

1161	<code>\Decl\Mn@Char\backapprox</code>	<code>{MnSyD}{\mathrel}</code>
1162	<code>\Decl\Mn@Char\bump</code>	<code>{MnSyD}{\mathrel}</code>
1163	<code>\Decl\Mn@Char\eqbump</code>	<code>{MnSyD}{\mathrel}</code>
1164	<code>\Decl\Mn@Char\Bump</code>	<code>{MnSyD}{\mathrel}</code>
1165	<code>\Decl\Mn@Char\doteq</code>	<code>{MnSyD}{\mathrel}</code>
1166	<code>\Decl\Mn@Char\eqdot</code>	<code>{MnSyD}{\mathrel}</code>
1167	<code>\Decl\Mn@Char\Doteq</code>	<code>{MnSyD}{\mathrel}</code>
1168	<code>\Decl\Mn@Alias\doteqdot</code>	<code>{MnSyD}{\mathbin}</code>
1169	<code>\Decl\Mn@Char\fallingdotseq</code>	<code>{MnSyD}{\mathrel}</code>
1170	<code>\Decl\Mn@Char\risingdotseq</code>	<code>{MnSyD}{\mathrel}</code>
1171	<code>\Decl\Mn@Char\smile</code>	<code>{MnSyD}{\mathrel}</code>
1172	<code>\Decl\Mn@Alias\smallsmile</code>	<code>{MnSyD}{\mathrel}</code>
1173	<code>\Decl\Mn@Char\frown</code>	<code>{MnSyD}{\mathrel}</code>
1174	<code>\Decl\Mn@Alias\smallfrown</code>	<code>{MnSyD}{\mathrel}</code>
1175	<code>\Decl\Mn@Char\double smile</code>	<code>{MnSyD}{\mathrel}</code>
1176	<code>\Decl\Mn@Char\double frown</code>	<code>{MnSyD}{\mathrel}</code>
1177	<code>\Decl\Mn@Char\triple smile</code>	<code>{MnSyD}{\mathrel}</code>
1178	<code>\Decl\Mn@Char\triple frown</code>	<code>{MnSyD}{\mathrel}</code>
1179	<code>\Decl\Mn@Char\smile frown</code>	<code>{MnSyD}{\mathrel}</code>
1180	<code>\Decl\Mn@Alias\asymp</code>	<code>{MnSyD}{\mathrel}</code>
1181	<code>\Decl\Mn@Char\frown smile</code>	<code>{MnSyD}{\mathrel}</code>
1182	<code>\Decl\Mn@Char\smile eq</code>	<code>{MnSyD}{\mathrel}</code>
1183	<code>\Decl\Mn@Char\frown eq</code>	<code>{MnSyD}{\mathrel}</code>
1184	<code>\Decl\Mn@Char\eq smile</code>	<code>{MnSyD}{\mathrel}</code>
1185	<code>\Decl\Mn@Char\eq frown</code>	<code>{MnSyD}{\mathrel}</code>
1186	<code>\Decl\Mn@Char\double smile eq</code>	<code>{MnSyD}{\mathrel}</code>
1187	<code>\Decl\Mn@Char\double frown eq</code>	<code>{MnSyD}{\mathrel}</code>
1188	<code>\Decl\Mn@Char\smile eq frown</code>	<code>{MnSyD}{\mathrel}</code>
1189	<code>\Decl\Mn@Char\frown eq smile</code>	<code>{MnSyD}{\mathrel}</code>
1190	<code>\Decl\Mn@Char\smile frown eq</code>	<code>{MnSyD}{\mathrel}</code>
1191	<code>\Decl\Mn@Char\frown smile eq</code>	<code>{MnSyD}{\mathrel}</code>
1192	<code>\Decl\Mn@Char\square smile</code>	<code>{MnSyD}{\mathrel}</code>
1193	<code>\Decl\Mn@Char\square frown</code>	<code>{MnSyD}{\mathrel}</code>
1194	<code>\Decl\Mn@Char\square double smile</code>	<code>{MnSyD}{\mathrel}</code>
1195	<code>\Decl\Mn@Char\square double frown</code>	<code>{MnSyD}{\mathrel}</code>
1196	<code>\Decl\Mn@Char\square triple smile</code>	<code>{MnSyD}{\mathrel}</code>
1197	<code>\Decl\Mn@Char\square triple frown</code>	<code>{MnSyD}{\mathrel}</code>
1198	<code>\Decl\Mn@Char\square smile frown</code>	<code>{MnSyD}{\mathrel}</code>
1199	<code>\Decl\Mn@Char\square frown smile</code>	<code>{MnSyD}{\mathrel}</code>
1200	<code>\Decl\Mn@Char\square smile eq</code>	<code>{MnSyD}{\mathrel}</code>
1201	<code>\Decl\Mn@Char\square frown eq</code>	<code>{MnSyD}{\mathrel}</code>
1202	<code>\Decl\Mn@Char\square eq smile</code>	<code>{MnSyD}{\mathrel}</code>
1203	<code>\Decl\Mn@Char\square eq frown</code>	<code>{MnSyD}{\mathrel}</code>
1204	<code>\Decl\Mn@Char\square double smile eq</code>	<code>{MnSyD}{\mathrel}</code>
1205	<code>\Decl\Mn@Char\square double frown eq</code>	<code>{MnSyD}{\mathrel}</code>
1206	<code>\Decl\Mn@Char\square smile eq frown</code>	<code>{MnSyD}{\mathrel}</code>
1207	<code>\Decl\Mn@Char\square frown eq smile</code>	<code>{MnSyD}{\mathrel}</code>
1208	<code>\Decl\Mn@Char\eqcirc</code>	<code>{MnSyD}{\mathrel}</code>
1209	<code>\Decl\Mn@Char\circeq</code>	<code>{MnSyD}{\mathrel}</code>
1210	<code>\Decl\Mn@Char\triangle eq</code>	<code>{MnSyD}{\mathrel}</code>
1211	<code>\Decl\Mn@Alias\triangleq</code>	<code>{MnSyD}{\mathrel}</code>
1212	<code>\Decl\Mn@Char\hateq</code>	<code>{MnSyD}{\mathrel}</code>
1213	<code>\Decl\Mn@Char\in</code>	<code>{MnSyD}{\mathrel}</code>
1214	<code>\Decl\Mn@Char\owns</code>	<code>{MnSyD}{\mathrel}</code>

1215	<code>\DeclMn@Alias\ni</code>	<code>{MnSyD}{\mathrel}</code>
1216	<code>\DeclMn@Char\less</code>	<code>{MnSyD}{\mathrel}</code>
1217	<code>\DeclMn@Char\gtr</code>	<code>{MnSyD}{\mathrel}</code>
1218	<code>\DeclMn@Char\leq</code>	<code>{MnSyD}{\mathrel}</code>
1219	<code>\DeclMn@Alias\le</code>	<code>{MnSyD}{\mathrel}</code>
1220	<code>\DeclMn@Char\geq</code>	<code>{MnSyD}{\mathrel}</code>
1221	<code>\DeclMn@Alias\ge</code>	<code>{MnSyD}{\mathrel}</code>
1222	<code>\DeclMn@Char\leqslant</code>	<code>{MnSyD}{\mathrel}</code>
1223	<code>\DeclMn@Char\geqslant</code>	<code>{MnSyD}{\mathrel}</code>
1224	<code>\DeclMn@Char\leqq</code>	<code>{MnSyD}{\mathrel}</code>
1225	<code>\DeclMn@Char\geqq</code>	<code>{MnSyD}{\mathrel}</code>
1226	<code>\DeclMn@Char\lessgtr</code>	<code>{MnSyD}{\mathrel}</code>
1227	<code>\DeclMn@Char\gtrless</code>	<code>{MnSyD}{\mathrel}</code>
1228	<code>\DeclMn@Char\lesseqgtr</code>	<code>{MnSyD}{\mathrel}</code>
1229	<code>\DeclMn@Char\gtreqless</code>	<code>{MnSyD}{\mathrel}</code>
1230	<code>\DeclMn@Char\lesseqqgtr</code>	<code>{MnSyD}{\mathrel}</code>
1231	<code>\DeclMn@Char\gtreqqless</code>	<code>{MnSyD}{\mathrel}</code>
1232	<code>\DeclMn@Char\lesseqgtrslant</code>	<code>{MnSyD}{\mathrel}</code>
1233	<code>\DeclMn@Char\gtreqlessslant</code>	<code>{MnSyD}{\mathrel}</code>
1234	<code>\DeclMn@Char\ll</code>	<code>{MnSyD}{\mathrel}</code>
1235	<code>\DeclMn@Char\gg</code>	<code>{MnSyD}{\mathrel}</code>
1236	<code>\DeclMn@Char\lll</code>	<code>{MnSyD}{\mathrel}</code>
1237	<code>\DeclMn@Alias\llless</code>	<code>{MnSyD}{\mathrel}</code>
1238	<code>\DeclMn@Char\ggg</code>	<code>{MnSyD}{\mathrel}</code>
1239	<code>\DeclMn@Alias\gggtr</code>	<code>{MnSyD}{\mathrel}</code>
1240	<code>\DeclMn@Char\lessclosed</code>	<code>{MnSyD}{\mathrel}</code>
1241	<code>\DeclMn@Alias\lhd</code>	<code>{MnSyD}{\mathrel}</code>
1242	<code>\DeclMn@Alias\vartriangleleft</code>	<code>{MnSyD}{\mathrel}</code>
1243	<code>\DeclMn@Char\gtrclosed</code>	<code>{MnSyD}{\mathrel}</code>
1244	<code>\DeclMn@Alias\rhd</code>	<code>{MnSyD}{\mathrel}</code>
1245	<code>\DeclMn@Alias\vartriangleright</code>	<code>{MnSyD}{\mathrel}</code>
1246	<code>\DeclMn@Char\leqclosed</code>	<code>{MnSyD}{\mathrel}</code>
1247	<code>\DeclMn@Alias\unlhd</code>	<code>{MnSyD}{\mathrel}</code>
1248	<code>\DeclMn@Alias\trianglelefteq</code>	<code>{MnSyD}{\mathrel}</code>
1249	<code>\DeclMn@Char\geqclosed</code>	<code>{MnSyD}{\mathrel}</code>
1250	<code>\DeclMn@Alias\unrhd</code>	<code>{MnSyD}{\mathrel}</code>
1251	<code>\DeclMn@Alias\trianglerighteq</code>	<code>{MnSyD}{\mathrel}</code>
1252	<code>\DeclMn@Char\squasubset</code>	<code>{MnSyD}{\mathrel}</code>
1253	<code>\DeclMn@Char\squasupset</code>	<code>{MnSyD}{\mathrel}</code>
1254	<code>\DeclMn@Char\squasubseteq</code>	<code>{MnSyD}{\mathrel}</code>
1255	<code>\DeclMn@Char\squasupseteq</code>	<code>{MnSyD}{\mathrel}</code>
1256	<code>\DeclMn@Char\squasubseteqq</code>	<code>{MnSyD}{\mathrel}</code>
1257	<code>\DeclMn@Char\squasupseteqq</code>	<code>{MnSyD}{\mathrel}</code>
1258	<code>\DeclMn@Char\Squasubset</code>	<code>{MnSyD}{\mathrel}</code>
1259	<code>\DeclMn@Char\Squasupset</code>	<code>{MnSyD}{\mathrel}</code>
1260	<code>\DeclMn@Char\subset</code>	<code>{MnSyD}{\mathrel}</code>
1261	<code>\DeclMn@Char\supset</code>	<code>{MnSyD}{\mathrel}</code>
1262	<code>\DeclMn@Char\subseteq</code>	<code>{MnSyD}{\mathrel}</code>
1263	<code>\DeclMn@Char\supseteq</code>	<code>{MnSyD}{\mathrel}</code>
1264	<code>\DeclMn@Char\subseteqq</code>	<code>{MnSyD}{\mathrel}</code>
1265	<code>\DeclMn@Char\supseteqq</code>	<code>{MnSyD}{\mathrel}</code>
1266	<code>\DeclMn@Char\Subset</code>	<code>{MnSyD}{\mathrel}</code>
1267	<code>\DeclMn@Char\Supset</code>	<code>{MnSyD}{\mathrel}</code>
1268	<code>\DeclMn@Char\prec</code>	<code>{MnSyD}{\mathrel}</code>

1269	\Decl\Mn@Char\succ	{MnSyD}{\mathrel}
1270	\Decl\Mn@Char\preceq	{MnSyD}{\mathrel}
1271	\Decl\Mn@Char\succeq	{MnSyD}{\mathrel}
1272	\Decl\Mn@Char\preccurlyeq	{MnSyD}{\mathrel}
1273	\Decl\Mn@Char\succcurlyeq	{MnSyD}{\mathrel}
1274	\Decl\Mn@Char\precsim	{MnSyD}{\mathrel}
1275	\Decl\Mn@Char\succsim	{MnSyD}{\mathrel}
1276	\Decl\Mn@Char\precapprox	{MnSyD}{\mathrel}
1277	\Decl\Mn@Char\succapprox	{MnSyD}{\mathrel}
1278	\Decl\Mn@Char\lessdot	{MnSyD}{\mathrel}
1279	\Decl\Mn@Char\gtrdot	{MnSyD}{\mathrel}
1280	\Decl\Mn@Char\leqdot	{MnSyD}{\mathrel}
1281	\Decl\Mn@Char\geqdot	{MnSyD}{\mathrel}
1282	\Decl\Mn@Char\leqslantdot	{MnSyD}{\mathrel}
1283	\Decl\Mn@Char\geqslantdot	{MnSyD}{\mathrel}
1284	\Decl\Mn@Char\nequal	{MnSyD}{\mathrel}
1285	\Decl\Mn@Alias\neq	{MnSyD}{\mathrel}
1286	\Decl\Mn@Alias\ne	{MnSyD}{\mathrel}
1287	\Decl\Mn@Char\nequiv	{MnSyD}{\mathrel}
1288	\Decl\Mn@Char\nsim	{MnSyD}{\mathrel}
1289	\Decl\Mn@Char\nbacksim	{MnSyD}{\mathrel}
1290	\Decl\Mn@Char\napprox	{MnSyD}{\mathrel}
1291	\Decl\Mn@Char\nbackapprox	{MnSyD}{\mathrel}
1292	\Decl\Mn@Char\ntriplesim	{MnSyD}{\mathrel}
1293	\Decl\Mn@Char\nbacktriplesim	{MnSyD}{\mathrel}
1294	\Decl\Mn@Char\nsimeq	{MnSyD}{\mathrel}
1295	\Decl\Mn@Char\nbacksimeq	{MnSyD}{\mathrel}
1296	\Decl\Mn@Char\neqsim	{MnSyD}{\mathrel}
1297	\Decl\Mn@Char\nbackeqsim	{MnSyD}{\mathrel}
1298	\Decl\Mn@Char\ncong	{MnSyD}{\mathrel}
1299	\Decl\Mn@Char\nbackcong	{MnSyD}{\mathrel}
1300	\Decl\Mn@Char\napproxeq	{MnSyD}{\mathrel}
1301	\Decl\Mn@Char\nbackapproxeq	{MnSyD}{\mathrel}
1302	\Decl\Mn@Char\nbumpeq	{MnSyD}{\mathrel}
1303	\Decl\Mn@Char\neqbump	{MnSyD}{\mathrel}
1304	\Decl\Mn@Char\nBumpeq	{MnSyD}{\mathrel}
1305	\Decl\Mn@Char\ndoteq	{MnSyD}{\mathrel}
1306	\Decl\Mn@Char\neqdot	{MnSyD}{\mathrel}
1307	\Decl\Mn@Char\ndoteq	{MnSyD}{\mathrel}
1308	\Decl\Mn@Char\nfallingdotseq	{MnSyD}{\mathrel}
1309	\Decl\Mn@Char\nrisingdotseq	{MnSyD}{\mathrel}
1310	\Decl\Mn@Char\nsmile	{MnSyD}{\mathrel}
1311	\Decl\Mn@Char\nfrown	{MnSyD}{\mathrel}
1312	\Decl\Mn@Char\ndoublesmile	{MnSyD}{\mathrel}
1313	\Decl\Mn@Char\ndoublefrown	{MnSyD}{\mathrel}
1314	\Decl\Mn@Char\ntriplesmile	{MnSyD}{\mathrel}
1315	\Decl\Mn@Char\ntriplefrown	{MnSyD}{\mathrel}
1316	\Decl\Mn@Char\nsmilefrown	{MnSyD}{\mathrel}
1317	\Decl\Mn@Alias\nasymp	{MnSyD}{\mathrel}
1318	\Decl\Mn@Char\nfrownsmile	{MnSyD}{\mathrel}
1319	\Decl\Mn@Char\nsmileeq	{MnSyD}{\mathrel}
1320	\Decl\Mn@Char\nfrowneq	{MnSyD}{\mathrel}
1321	\Decl\Mn@Char\neqsmile	{MnSyD}{\mathrel}
1322	\Decl\Mn@Char\neqfrown	{MnSyD}{\mathrel}

1323	\Decl\Mn@Char\ndoublesmileeq	{MnSyD}{\mathrel}
1324	\Decl\Mn@Char\ndoublefrowneq	{MnSyD}{\mathrel}
1325	\Decl\Mn@Char\nsmileeqfrown	{MnSyD}{\mathrel}
1326	\Decl\Mn@Char\nfrowneqsmile	{MnSyD}{\mathrel}
1327	\Decl\Mn@Char\nsmilefrowneq	{MnSyD}{\mathrel}
1328	\Decl\Mn@Char\nfrownsmileeq	{MnSyD}{\mathrel}
1329	\Decl\Mn@Char\nsqsmile	{MnSyD}{\mathrel}
1330	\Decl\Mn@Char\nsqfrown	{MnSyD}{\mathrel}
1331	\Decl\Mn@Char\nsqdoublesmile	{MnSyD}{\mathrel}
1332	\Decl\Mn@Char\nsqdoublefrown	{MnSyD}{\mathrel}
1333	\Decl\Mn@Char\nsqtriplesmile	{MnSyD}{\mathrel}
1334	\Decl\Mn@Char\nsqtriplefrown	{MnSyD}{\mathrel}
1335	\Decl\Mn@Char\nsqsmilefrown	{MnSyD}{\mathrel}
1336	\Decl\Mn@Char\nsqfrownsmile	{MnSyD}{\mathrel}
1337	\Decl\Mn@Char\nsqsmileeq	{MnSyD}{\mathrel}
1338	\Decl\Mn@Char\nsqfrowneq	{MnSyD}{\mathrel}
1339	\Decl\Mn@Char\nsqeqsmile	{MnSyD}{\mathrel}
1340	\Decl\Mn@Char\nsqeqfrown	{MnSyD}{\mathrel}
1341	\Decl\Mn@Char\nsqdoublesmileeq	{MnSyD}{\mathrel}
1342	\Decl\Mn@Char\nsqdoublefrowneq	{MnSyD}{\mathrel}
1343	\Decl\Mn@Char\nsqsmileeqfrown	{MnSyD}{\mathrel}
1344	\Decl\Mn@Char\nsqfrowneqsmile	{MnSyD}{\mathrel}
1345	\Decl\Mn@Char\neqcirc	{MnSyD}{\mathrel}
1346	\Decl\Mn@Char\ncirceq	{MnSyD}{\mathrel}
1347	\Decl\Mn@Char\ntriangleleft	{MnSyD}{\mathrel}
1348	\Decl\Mn@Char\nhateq	{MnSyD}{\mathrel}
1349	\Decl\Mn@Char\nin	{MnSyD}{\mathrel}
1350	\Decl\Mn@Alias\notin	{MnSyD}{\mathrel}
1351	\Decl\Mn@Char\nowns	{MnSyD}{\mathrel}
1352	\Decl\Mn@Char\nless	{MnSyD}{\mathrel}
1353	\Decl\Mn@Char\nltr	{MnSyD}{\mathrel}
1354	\Decl\Mn@Char\nleq	{MnSyD}{\mathrel}
1355	\Decl\Mn@Char\ngeq	{MnSyD}{\mathrel}
1356	\Decl\Mn@Char\nleqslant	{MnSyD}{\mathrel}
1357	\Decl\Mn@Char\ngeqslant	{MnSyD}{\mathrel}
1358	\Decl\Mn@Char\nleqq	{MnSyD}{\mathrel}
1359	\Decl\Mn@Char\ngeqq	{MnSyD}{\mathrel}
1360	\Decl\Mn@Char\nlessgtr	{MnSyD}{\mathrel}
1361	\Decl\Mn@Char\nltrless	{MnSyD}{\mathrel}
1362	\Decl\Mn@Char\nlesseqgtr	{MnSyD}{\mathrel}
1363	\Decl\Mn@Char\nltrreqless	{MnSyD}{\mathrel}
1364	\Decl\Mn@Char\nlesseqqgtr	{MnSyD}{\mathrel}
1365	\Decl\Mn@Char\nltrreqqless	{MnSyD}{\mathrel}
1366	\Decl\Mn@Char\nlesseqgtrslant	{MnSyD}{\mathrel}
1367	\Decl\Mn@Char\nltrreqlessslant	{MnSyD}{\mathrel}
1368	\Decl\Mn@Char\nll	{MnSyD}{\mathrel}
1369	\Decl\Mn@Char\nngg	{MnSyD}{\mathrel}
1370	\Decl\Mn@Char\nlll	{MnSyD}{\mathrel}
1371	\Decl\Mn@Char\nngg	{MnSyD}{\mathrel}
1372	\Decl\Mn@Char\nlessclosed	{MnSyD}{\mathrel}
1373	\Decl\Mn@Alias\ntriangleleft	{MnSyD}{\mathrel}
1374	\Decl\Mn@Char\nltrclosed	{MnSyD}{\mathrel}
1375	\Decl\Mn@Alias\ntriangleright	{MnSyD}{\mathrel}
1376	\Decl\Mn@Char\nleqclosed	{MnSyD}{\mathrel}

1377	<code>\Decl\Mn@Alias\ntrianglelefteq</code>	<code>{MnSyD}\mathrel</code>
1378	<code>\Decl\Mn@Char\ngeqclosed</code>	<code>{MnSyD}\mathrel</code>
1379	<code>\Decl\Mn@Alias\ntrianglerighteq</code>	<code>{MnSyD}\mathrel</code>
1380	<code>\Decl\Mn@Char\nsqsubset</code>	<code>{MnSyD}\mathrel</code>
1381	<code>\Decl\Mn@Char\nsqsupset</code>	<code>{MnSyD}\mathrel</code>
1382	<code>\Decl\Mn@Char\nsqsubseteq</code>	<code>{MnSyD}\mathrel</code>
1383	<code>\Decl\Mn@Char\nsqsupseteq</code>	<code>{MnSyD}\mathrel</code>
1384	<code>\Decl\Mn@Char\nsqsubseteqq</code>	<code>{MnSyD}\mathrel</code>
1385	<code>\Decl\Mn@Char\nsqsupseteqq</code>	<code>{MnSyD}\mathrel</code>
1386	<code>\Decl\Mn@Char\nSqsubset</code>	<code>{MnSyD}\mathrel</code>
1387	<code>\Decl\Mn@Char\nSqsupset</code>	<code>{MnSyD}\mathrel</code>
1388	<code>\Decl\Mn@Char\nsubset</code>	<code>{MnSyD}\mathrel</code>
1389	<code>\Decl\Mn@Char\nsupset</code>	<code>{MnSyD}\mathrel</code>
1390	<code>\Decl\Mn@Char\nsubseteq</code>	<code>{MnSyD}\mathrel</code>
1391	<code>\Decl\Mn@Char\nsupseteq</code>	<code>{MnSyD}\mathrel</code>
1392	<code>\Decl\Mn@Char\nsubseteqq</code>	<code>{MnSyD}\mathrel</code>
1393	<code>\Decl\Mn@Char\nsupseteqq</code>	<code>{MnSyD}\mathrel</code>
1394	<code>\Decl\Mn@Char\nSubset</code>	<code>{MnSyD}\mathrel</code>
1395	<code>\Decl\Mn@Char\nSupset</code>	<code>{MnSyD}\mathrel</code>
1396	<code>\Decl\Mn@Char\nprec</code>	<code>{MnSyD}\mathrel</code>
1397	<code>\Decl\Mn@Char\nsucc</code>	<code>{MnSyD}\mathrel</code>
1398	<code>\Decl\Mn@Char\npreceq</code>	<code>{MnSyD}\mathrel</code>
1399	<code>\Decl\Mn@Char\nsucceq</code>	<code>{MnSyD}\mathrel</code>
1400	<code>\Decl\Mn@Char\npreccurlyeq</code>	<code>{MnSyD}\mathrel</code>
1401	<code>\Decl\Mn@Char\nsucccurlyeq</code>	<code>{MnSyD}\mathrel</code>
1402	<code>\Decl\Mn@Char\nprecsim</code>	<code>{MnSyD}\mathrel</code>
1403	<code>\Decl\Mn@Char\nsuccsim</code>	<code>{MnSyD}\mathrel</code>
1404	<code>\Decl\Mn@Char\nprecapprox</code>	<code>{MnSyD}\mathrel</code>
1405	<code>\Decl\Mn@Char\nsuccapprox</code>	<code>{MnSyD}\mathrel</code>
1406	<code>\Decl\Mn@Char\nlessdot</code>	<code>{MnSyD}\mathrel</code>
1407	<code>\Decl\Mn@Char\ngtrdot</code>	<code>{MnSyD}\mathrel</code>
1408	<code>\Decl\Mn@Char\nleqdot</code>	<code>{MnSyD}\mathrel</code>
1409	<code>\Decl\Mn@Char\ngeqdot</code>	<code>{MnSyD}\mathrel</code>
1410	<code>\Decl\Mn@Char\nleqslantdot</code>	<code>{MnSyD}\mathrel</code>
1411	<code>\Decl\Mn@Char\ngeqslantdot</code>	<code>{MnSyD}\mathrel</code>
1412	<code>\Decl\Mn@Char\lneqq</code>	<code>{MnSyD}\mathrel</code>
1413	<code>\Decl\Mn@Alias\lvertneqq</code>	<code>{MnSyD}\mathrel</code>
1414	<code>\Decl\Mn@Char\gneqq</code>	<code>{MnSyD}\mathrel</code>
1415	<code>\Decl\Mn@Alias\gvertneqq</code>	<code>{MnSyD}\mathrel</code>
1416	<code>\Decl\Mn@Char\lessneqqgtr</code>	<code>{MnSyD}\mathrel</code>
1417	<code>\Decl\Mn@Char\gtrneqqless</code>	<code>{MnSyD}\mathrel</code>
1418	<code>\Decl\Mn@Char\sqsubsetneq</code>	<code>{MnSyD}\mathrel</code>
1419	<code>\Decl\Mn@Char\sqsupsetneq</code>	<code>{MnSyD}\mathrel</code>
1420	<code>\Decl\Mn@Char\sqsubsetneqq</code>	<code>{MnSyD}\mathrel</code>
1421	<code>\Decl\Mn@Char\sqsupsetneqq</code>	<code>{MnSyD}\mathrel</code>
1422	<code>\Decl\Mn@Char\subsetneq</code>	<code>{MnSyD}\mathrel</code>
1423	<code>\Decl\Mn@Alias\varsubsetneq</code>	<code>{MnSyD}\mathrel</code>
1424	<code>\Decl\Mn@Char\supsetneq</code>	<code>{MnSyD}\mathrel</code>
1425	<code>\Decl\Mn@Alias\varsupsetneq</code>	<code>{MnSyD}\mathrel</code>
1426	<code>\Decl\Mn@Char\subsetneqq</code>	<code>{MnSyD}\mathrel</code>
1427	<code>\Decl\Mn@Alias\varsubsetneqq</code>	<code>{MnSyD}\mathrel</code>
1428	<code>\Decl\Mn@Char\supsetneqq</code>	<code>{MnSyD}\mathrel</code>
1429	<code>\Decl\Mn@Alias\varsupsetneqq</code>	<code>{MnSyD}\mathrel</code>
1430	<code>\Decl\Mn@Char\precnsim</code>	<code>{MnSyD}\mathrel</code>

```

1431 \Decl@Mn@Char\succnsim           {\MnSyD}{\mathrel}
1432 \Decl@Mn@Char\precnapprox       {\MnSyD}{\mathrel}
1433 \Decl@Mn@Char\succnapprox       {\MnSyD}{\mathrel}
1434
1435 \DeclareRobustCommand{\coloneq}{\mathrel{\{\vdotdot\}{\equal}}}
```

MnSymbolF: Big operators.

```

1436 \Set@Mn@Sym{0}
1437 \Decl@Mn@Char\tbigplus           {symbols}{\mathop}
1438 \Decl@Mn@Char\dbigplus           {symbols}{\mathop}
1439 \Decl@Mn@Char\tbigtimes          {symbols}{\mathop}
1440 \Decl@Mn@Char\dbigtimes          {symbols}{\mathop}
1441 \Decl@Mn@Char\tbigwedge          {symbols}{\mathop}
1442 \Decl@Mn@Char\dbigwedge          {symbols}{\mathop}
1443 \Decl@Mn@Char\tbigvee            {symbols}{\mathop}
1444 \Decl@Mn@Char\dbigvee            {symbols}{\mathop}
1445 \Decl@Mn@Char\tbigwedgedot       {symbols}{\mathop}
1446 \Decl@Mn@Char\dbigwedgedot       {symbols}{\mathop}
1447 \Decl@Mn@Char\tbigveedot         {symbols}{\mathop}
1448 \Decl@Mn@Char\dbigveedot         {symbols}{\mathop}
1449 \Decl@Mn@Char\tbigdoublewedge    {symbols}{\mathop}
1450 \Decl@Mn@Char\dbigdoublewedge    {symbols}{\mathop}
1451 \Decl@Mn@Char\tbigdoublevee      {symbols}{\mathop}
1452 \Decl@Mn@Char\dbigdoublevee      {symbols}{\mathop}
1453 \Decl@Mn@Char\tbigcurlywedge     {symbols}{\mathop}
1454 \Decl@Mn@Char\dbigcurlywedge     {symbols}{\mathop}
1455 \Decl@Mn@Char\tbigcurlyvee       {symbols}{\mathop}
1456 \Decl@Mn@Char\dbigcurlyvee       {symbols}{\mathop}
1457 \Decl@Mn@Char\tbigcurlywedgedot {symbols}{\mathop}
1458 \Decl@Mn@Char\dbigcurlywedgedot {symbols}{\mathop}
1459 \Decl@Mn@Char\tbigcurlyveedot    {symbols}{\mathop}
1460 \Decl@Mn@Char\dbigcurlyveedot    {symbols}{\mathop}
1461 \Decl@Mn@Char\tbigdoublecurlywedge {symbols}{\mathop}
1462 \Decl@Mn@Char\dbigdoublecurlywedge {symbols}{\mathop}
1463 \Decl@Mn@Char\tbigdoublecurlyvee {symbols}{\mathop}
1464 \Decl@Mn@Char\dbigdoublecurlyvee {symbols}{\mathop}
1465 \Decl@Mn@Char\tbigcap             {symbols}{\mathop}
1466 \Decl@Mn@Char\dbigcap             {symbols}{\mathop}
1467 \Decl@Mn@Char\tbigcup             {symbols}{\mathop}
1468 \Decl@Mn@Char\dbigcup             {symbols}{\mathop}
1469 \Decl@Mn@Char\tbigcapdot          {symbols}{\mathop}
1470 \Decl@Mn@Char\dbigcapdot          {symbols}{\mathop}
1471 \Decl@Mn@Char\tbigcupdot           {symbols}{\mathop}
1472 \Decl@Mn@Char\dbigcupdot           {symbols}{\mathop}
1473 \Decl@Mn@Char\tbigcapplus         {symbols}{\mathop}
1474 \Decl@Mn@Char\dbigcapplus         {symbols}{\mathop}
1475 \Decl@Mn@Char\tbigcupplus         {symbols}{\mathop}
1476 \Decl@Mn@Char\dbigcupplus         {symbols}{\mathop}
1477 \Decl@Mn@Char\tbigsqcap           {symbols}{\mathop}
1478 \Decl@Mn@Char\dbigsqcap           {symbols}{\mathop}
1479 \Decl@Mn@Char\tbigsqcup           {symbols}{\mathop}
1480 \Decl@Mn@Char\dbigsqcup           {symbols}{\mathop}
1481 \Decl@Mn@Char\tbigsqcapdot         {symbols}{\mathop}
1482 \Decl@Mn@Char\dbigsqcapdot         {symbols}{\mathop}
1483 \Decl@Mn@Char\tbigsqcupdot         {symbols}{\mathop}
```

1484	\Decl\Mn@Char\dbigsqcupdot	{symbols}{\mathop}
1485	\Decl\Mn@Char\tbigsqcapplus	{symbols}{\mathop}
1486	\Decl\Mn@Char\dbigsqcapplus	{symbols}{\mathop}
1487	\Decl\Mn@Char\tbigsqcupplus	{symbols}{\mathop}
1488	\Decl\Mn@Char\dbigsqcupplus	{symbols}{\mathop}
1489	\Decl\Mn@Char\tbigcircle	{symbols}{\mathop}
1490	\Decl\Mn@Char\bigcircle	{symbols}{\mathop}
1491	\Decl\Mn@Char\tbigominus	{symbols}{\mathop}
1492	\Decl\Mn@Char\bigominus	{symbols}{\mathop}
1493	\Decl\Mn@Char\tbigover	{symbols}{\mathop}
1494	\Decl\Mn@Char\bigover	{symbols}{\mathop}
1495	\Decl\Mn@Char\tbigoslash	{symbols}{\mathop}
1496	\Decl\Mn@Char\bigoslash	{symbols}{\mathop}
1497	\Decl\Mn@Char\tbigobackslash	{symbols}{\mathop}
1498	\Decl\Mn@Char\bigobackslash	{symbols}{\mathop}
1499	\Decl\Mn@Char\tbigoplus	{symbols}{\mathop}
1500	\Decl\Mn@Char\bigoplus	{symbols}{\mathop}
1501	\Decl\Mn@Char\tbigotimes	{symbols}{\mathop}
1502	\Decl\Mn@Char\bigotimes	{symbols}{\mathop}
1503	\Decl\Mn@Char\tbigodot	{symbols}{\mathop}
1504	\Decl\Mn@Char\bigodot	{symbols}{\mathop}
1505	\Decl\Mn@Char\tbigocirc	{symbols}{\mathop}
1506	\Decl\Mn@Char\bigocirc	{symbols}{\mathop}
1507	\Decl\Mn@Char\tbigotriangle	{symbols}{\mathop}
1508	\Decl\Mn@Char\bigotriangle	{symbols}{\mathop}
1509	\Decl\Mn@Char\tbigoast	{symbols}{\mathop}
1510	\Decl\Mn@Char\bigoast	{symbols}{\mathop}
1511	\Decl\Mn@Char\tbigostar	{symbols}{\mathop}
1512	\Decl\Mn@Char\bigostar	{symbols}{\mathop}
1513	\Decl\Mn@Char\tprod	{symbols}{\mathop}
1514	\Decl\Mn@Char\prod	{symbols}{\mathop}
1515	\Decl\Mn@Char\tpcoprod	{symbols}{\mathop}
1516	\Decl\Mn@Char\dcoprod	{symbols}{\mathop}
1517	\Decl\Mn@Char\tspace	{symbols}{\mathop}
1518	\Decl\Mn@Char\dspace	{symbols}{\mathop}
1519	\Decl\Mn@Char\tsint	{symbols}{\mathop}
1520	\Decl\Mn@Char\dsint	{symbols}{\mathop}
1521	\Decl\Mn@Char\tsint	{symbols}{\mathop}
1522	\Decl\Mn@Char\dsint	{symbols}{\mathop}
1523	\Decl\Mn@Char\tsint	{symbols}{\mathop}
1524	\Decl\Mn@Char\dsint	{symbols}{\mathop}
1525	\Decl\Mn@Char\tsint	{symbols}{\mathop}
1526	\Decl\Mn@Char\dsint	{symbols}{\mathop}
1527	\Decl\Mn@Char\tsint	{symbols}{\mathop}
1528	\Decl\Mn@Char\dsint	{symbols}{\mathop}
1529	\Decl\Mn@Char\tsint	{symbols}{\mathop}
1530	\Decl\Mn@Char\dsint	{symbols}{\mathop}
1531	\Decl\Mn@Char\tsint	{symbols}{\mathop}
1532	\Decl\Mn@Char\dsint	{symbols}{\mathop}
1533	\Decl\Mn@Char\tsint	{symbols}{\mathop}
1534	\Decl\Mn@Char\dsint	{symbols}{\mathop}
1535	\Decl\Mn@Char\tsint	{symbols}{\mathop}
1536	\Decl\Mn@Char\dsint	{symbols}{\mathop}
1537	\Decl\Mn@Char\tsint	{symbols}{\mathop}

1538 \Decl\Mn@Char\dooint {symbols}{\mathop}
1539 \Decl\Mn@Char\trcyclerightint {symbols}{\mathop}
1540 \Decl\Mn@Char\drcyclerightint {symbols}{\mathop}
1541 \Decl\Mn@Char\tlcyclerightint {symbols}{\mathop}
1542 \Decl\Mn@Char\dlcyclerightint {symbols}{\mathop}
1543 \Decl\Mn@Char\trcircleleftint {symbols}{\mathop}
1544 \Decl\Mn@Char\drcircleleftint {symbols}{\mathop}
1545 \Decl\Mn@Char\tlcircleleftint {symbols}{\mathop}
1546 \Decl\Mn@Char\dlcircleleftint {symbols}{\mathop}
1547 \Decl\Mn@Char\sumint {symbols}{\mathop}
1548 \Decl\Mn@Char\dsumint {symbols}{\mathop}
1549 \Decl\Mn@Char\partialvartint {symbols}{\mathop}
1550 \Decl\Mn@Char\partialvardint {symbols}{\mathop}
1551 \Decl\Mn@Char\partialvartlandupint {symbols}{\mathop}
1552 \Decl\Mn@Char\partialvardlandupint {symbols}{\mathop}
1553 \Decl\Mn@Char\partialvartlanddownint {symbols}{\mathop}
1554 \Decl\Mn@Char\partialvardlanddownint {symbols}{\mathop}
1555 \Decl\Mn@Char\partialvartstrokedint {symbols}{\mathop}
1556 \Decl\Mn@Char\partialvardstrokedint {symbols}{\mathop}
1557 \Decl\Mn@Char\partialvartoint {symbols}{\mathop}
1558 \Decl\Mn@Char\partialvardoint {symbols}{\mathop}
1559 \Decl\Mn@Char\partialvartointint {symbols}{\mathop}
1560 \Decl\Mn@Char\partialvardointint {symbols}{\mathop}
1561 \Decl\Mn@Char\partialvartrcyclerightint {symbols}{\mathop}
1562 \Decl\Mn@Char\partialvardrcyclerightint {symbols}{\mathop}
1563 \Decl\Mn@Char\partialvartlcyclerightint {symbols}{\mathop}
1564 \Decl\Mn@Char\partialvardlcyclerightint {symbols}{\mathop}
1565 \Decl\Mn@Char\partialvartrcircleleftint {symbols}{\mathop}
1566 \Decl\Mn@Char\partialvardrcircleleftint {symbols}{\mathop}
1567 \Decl\Mn@Char\partialvartlcircleleftint {symbols}{\mathop}
1568 \Decl\Mn@Char\partialvardlcircleleftint {symbols}{\mathop}
1569 \Decl\Mn@Char\partialvartsumint {symbols}{\mathop}
1570 \Decl\Mn@Char\partialvardsumint {symbols}{\mathop}
1571 \Decl\Mn@Char\tcomplement {symbols}{\mathop}
1572 \Decl\Mn@Char\dcomplement {symbols}{\mathop}
1573
1574 \let\intop\tint
1575 \let\ointop\toint
1576 \Decl\Mn@Int\iint\diint\iiint
1577 \Decl\Mn@Int\iiint\diint\iiiint
1578 \Decl\Mn@Int\iiiint\diint\iiiiint
1579 \Decl\Mn@Int\idotsint\didotsint\tidotsint
1580 \Decl\Mn@Int\landupint\landupint\landupint
1581 \Decl\Mn@Int\landdownint\landdownint\landdownint
1582 \Decl\Mn@Int\strokedint\strokedint\strokedint
1583 \Decl\Mn@Int\oint\dooint\tooint
1584 \Decl\Mn@Int\rcyclerightint\drcyclerightint\trcyclerightint
1585 \Decl\Mn@Int\lcyclerightint\dlcyclerightint\tlcyclerightint
1586 \Decl\Mn@Int\rcircleleftint\drcircleleftint\trcircleleftint
1587 \Decl\Mn@Int\lcircleleftint\dlcircleleftint\tlcircleleftint
1588 \Decl\Mn@Int\sumint\dsumint\sumint
1589
1590 \def\intkern@{\mkern-10mu\mathchoice{\mkern-6mu}{\mkern-6mu}{\mkern-6mu}}
1591 \def\intdots@{\mkern-7mu%

```

1592 \mathchoice{\mkern-3mu\@cdots\mkern-3mu}%
1593 {\cdotp\mkern0.5mu\cdotp\mkern0.5mu\cdotp}%
1594 {\cdotp\cdotp\cdotp}%
1595 {\cdotp\cdotp\cdotp}%
1596 \mkern-6mu}
1597
1598 \DeclMnOp\bigplus\bigplus\tbigplus
1599 \DeclMnOp\bigtimes\bigtimes\tbigtimes
1600 \DeclMnOp\bigwedge\bigwedge\tbigwedge
1601 \DeclMnOp\bigvee\bigvee\tbigvee
1602 \DeclMnOp\bigwedgedot\bigwedgedot\tbigwedgedot
1603 \DeclMnOp\bigveedot\bigveedot\tbigveedot
1604 \DeclMnOp\bigdoublewedge\bigdoublewedge\tbigdoublewedge
1605 \DeclMnOp\bigdoublevee\bigdoublevee\tbigdoublevee
1606 \DeclMnOp\bigcurlywedge\bigcurlywedge\tbigcurlywedge
1607 \DeclMnOp\bigcurlyvee\bigcurlyvee\tbigcurlyvee
1608 \DeclMnOp\bigcurlywedgedot\bigcurlywedgedot\tbigcurlywedgedot
1609 \DeclMnOp\bigcurlyveedot\bigcurlyveedot\tbigcurlyveedot
1610 \DeclMnOp\bigdoublecurlywedge\bigdoublecurlywedge\tbigdoublecurlywedge
1611 \DeclMnOp\bigdoublecurlyvee\bigdoublecurlyvee\tbigdoublecurlyvee
1612 \DeclMnOp\bigcap\bigcap\tbigcap
1613 \DeclMnOp\bigcup\bigcup\tbigcup
1614 \DeclMnOp\bigcapdot\bigcapdot\tbigcapdot
1615 \DeclMnOp\bigcupdot\bigcupdot\tbigcupdot
1616 \DeclMnOp\bigcapplus\bigcapplus\tbigcapplus
1617 \DeclMnOp\bigcupplus\bigcupplus\tbigcupplus
1618 \let\biguplus\bigcupplus
1619 \DeclMnOp\bigsqcap\bigsqcap\tbigsqcap
1620 \DeclMnOp\bigsqcup\bigsqcup\tbigsqcup
1621 \DeclMnOp\bigsqcapdot\bigsqcapdot\tbigsqcapdot
1622 \DeclMnOp\bigsqcupdot\bigsqcupdot\tbigsqcupdot
1623 \DeclMnOp\bigsqcapplus\bigsqcapplus\tbigsqcapplus
1624 \DeclMnOp\bigsqcupplus\bigsqcupplus\tbigsqcupplus
1625 \DeclMnOp\bigcirc\bigcirc\tbigcirc
1626 \DeclMnOp\bigominus\bigominus\tbigominus
1627 \DeclMnOp\bigover\bigover\tbigover
1628 \DeclMnOp\bigoslash\bigoslash\tbigoslash
1629 \DeclMnOp\bigobackslash\bigobackslash\tbigobackslash
1630 \DeclMnOp\bigoplus\bigoplus\tbigoplus
1631 \DeclMnOp\bigotimes\bigotimes\tbigotimes
1632 \DeclMnOp\bigodot\bigodot\tbigodot
1633 \DeclMnOp\bigocirc\bigocirc\tbigocirc
1634 \DeclMnOp\bigotriangle\bigotriangle\tbigotriangle
1635 \DeclMnOp\bigodot\bigodot\tbigodot
1636 \DeclMnOp\bigostar\bigostar\tbigostar
1637 \DeclMnOp\sum\dsum\tsum
1638 \DeclMnOp\prod\dprod\tprod
1639 \DeclMnOp\coprod\dcoprod\tcoprod
1640 \DeclMnOp\complement\dcomplement\tcomplement

```

Delimiters.

```

1641 \let\lfloor\undefined
1642 \let\rfloor\undefined
1643 \let\lceil\undefined
1644 \let\rceil\undefined

```

```

1645 \let\langle\undefined
1646 \let\rangle\undefined
1647
1648 \Decl@Mn@Open {[} {largesymbols}{'000}
1649 \Decl@Mn@Close{]} {largesymbols}{'005}
1650 \Decl@Mn@Open {\lfloor} {largesymbols}{'012}
1651 \Decl@Mn@Close{\rfloor} {largesymbols}{'017}
1652 \Decl@Mn@Open {\lceil} {largesymbols}{'024}
1653 \Decl@Mn@Close{\rceil} {largesymbols}{'031}
1654 \Decl@Mn@Open {\ulcorner} {largesymbols}{'036}
1655 \Decl@Mn@Close{\urcorner} {largesymbols}{'043}
1656 \Decl@Mn@Open {\llcorner} {largesymbols}{'050}
1657 \Decl@Mn@Close{\lrcorner} {largesymbols}{'055}
1658 \Decl@Mn@Open {\ulcorner} {largesymbols}{'062}
1659 \Decl@Mn@Close{\ulrcorner} {largesymbols}{'067}
1660 \Decl@Mn@Open {\lsem} {largesymbols}{'102}
1661 \Decl@Mn@Close{\rsem} {largesymbols}{'107}
1662 \Decl@Mn@Delim{|} {\mathord}{largesymbols}{'123}
1663 \Decl@Mn@Delim{\vert} {\mathord}{largesymbols}{'123}
1664 \Decl@Mn@Delim{\mvert} {\mathrel}{largesymbols}{'123}
1665 \let\mid\mvert
1666 \Decl@Mn@Open {\lvert} {largesymbols}{'123}
1667 \Decl@Mn@Close{\rvert} {largesymbols}{'123}
1668 \Decl@Mn@Delim{\Vert} {\mathord}{largesymbols}{'131}
1669 \let\|\Vert
1670 \Decl@Mn@Delim{\mVert} {\mathrel}{largesymbols}{'131}
1671 \Decl@Mn@Open {\lVert} {largesymbols}{'131}
1672 \Decl@Mn@Close{\rVert} {largesymbols}{'131}
1673 \Decl@Mn@Delim{\arrowvert} {\mathord}{largesymbols}{'122}
1674 \Decl@Mn@Delim{\Arrowvert} {\mathord}{largesymbols}{'130}
1675 \Decl@Mn@Open {\lwavey} {largesymbols}{'136}
1676 \Decl@Mn@Close{\rwavey} {largesymbols}{'136}
1677 \Decl@Mn@Open {\lWavy} {largesymbols}{'137}
1678 \Decl@Mn@Close{\rWavy} {largesymbols}{'137}
1679
1680 \Decl@Mn@Open {<} {largesymbols}{'140}
1681 \Decl@Mn@Close{>} {largesymbols}{'145}
1682 \Decl@Mn@Open {\langle} {largesymbols}{'140}
1683 \Decl@Mn@Close{\rangle} {largesymbols}{'145}
1684 \Decl@Mn@Open {\langlebar} {largesymbols}{'152}
1685 \Decl@Mn@Close{\ranglebar} {largesymbols}{'157}
1686 \Decl@Mn@Open {\llangle} {largesymbols}{'164}
1687 \Decl@Mn@Close{\rrangle} {largesymbols}{'171}
1688 \Decl@Mn@Delim{/} {\mathord}{largesymbols}{'176}
1689 \Decl@Mn@Delim{\backslash} {\mathord}{largesymbols}{'203}
1690 \expandafter\DeclareMathDelimiter\@backslashchar
1691 {\mathord}{largesymbols}{'203}{largesymbols}{'203}
1692 \Decl@Mn@Open {(} {largesymbols}{'210}
1693 \Decl@Mn@Close{)} {largesymbols}{'215}
1694 \Decl@Mn@Open {\lbrace} {largesymbols}{'230}
1695 \Decl@Mn@Close{\rbrace} {largesymbols}{'235}
1696 \Decl@Mn@Close{\lgroup} {largesymbols}{'242}
1697 \Decl@Mn@Open {\rgroup} {largesymbols}{'243}
1698 \Decl@Mn@Close{\rmoustache} {largesymbols}{'244}

```

```

1699 \DeclareMn@Open {\lmoustache}          {\largesymbols}{'245}
1700 \DeclareMn@Delim{\bracevert}{\mathord}{\largesymbols}{'250}

      Support for expandable braces.
1701 \DeclareMathSymbol{\downbrace}        {\mathord}{\largesymbols}{'251}
1702 \DeclareMathSymbol{\downbraceg}       {\mathord}{\largesymbols}{'252}
1703 \DeclareMathSymbol{\downbracegg}      {\mathord}{\largesymbols}{'253}
1704 \DeclareMathSymbol{\downbraceggg}     {\mathord}{\largesymbols}{'254}
1705 \DeclareMathSymbol{\downbracegggg}    {\mathord}{\largesymbols}{'255}
1706 \DeclareMathSymbol{\upbrace}          {\mathord}{\largesymbols}{'256}
1707 \DeclareMathSymbol{\upbraceg}         {\mathord}{\largesymbols}{'257}
1708 \DeclareMathSymbol{\upbracegg}        {\mathord}{\largesymbols}{'260}
1709 \DeclareMathSymbol{\upbraceggg}       {\mathord}{\largesymbols}{'261}
1710 \DeclareMathSymbol{\upbracegggg}      {\mathord}{\largesymbols}{'262}
1711 \DeclareMathSymbol{\braceld}          {\mathord}{\largesymbols}{'263}
1712 \DeclareMathSymbol{\bracelu}          {\mathord}{\largesymbols}{'264}
1713 \DeclareMathSymbol{\bracerd}          {\mathord}{\largesymbols}{'265}
1714 \DeclareMathSymbol{\braceru}          {\mathord}{\largesymbols}{'266}
1715 \DeclareMathSymbol{\bracemd}          {\mathord}{\largesymbols}{'267}
1716 \DeclareMathSymbol{\bracemu}          {\mathord}{\largesymbols}{'270}
1717 \DeclareMathSymbol{\bracemid}         {\mathord}{\largesymbols}{'271}
1718
1719 \let\uparrow\undefined
1720 \let\downarrow\undefined
1721 \let\updownarrow\undefined
1722 \let\Uparrow\undefined
1723 \let\Downarrow\undefined
1724 \let\Updownarrow\undefined
1725 \DeclareMathDelimiter{\uparrow}        {\mathrel}{MnSyA}{'001}{\largesymbols}{'325}
1726 \DeclareMathDelimiter{\downarrow}      {\mathrel}{MnSyA}{'003}{\largesymbols}{'326}
1727 \DeclareMathDelimiter{\updownarrow}    {\mathrel}{MnSyA}{'021}{\largesymbols}{'327}
1728 \DeclareMathDelimiter{\Uparrow}        {\mathrel}{MnSyA}{'011}{\largesymbols}{'330}
1729 \DeclareMathDelimiter{\Downarrow}      {\mathrel}{MnSyA}{'013}{\largesymbols}{'331}
1730 \DeclareMathDelimiter{\Updownarrow}    {\mathrel}{MnSyA}{'025}{\largesymbols}{'332}
1731
1732
1733 % \horiz@expandable{sym1}..{sym6}{style}{arg}
1734
1735 \def\horiz@expandable#1#2#3#4#5#6#7#8{%
1736   \@mathmeasure\z@#7{#8}%
1737   \@tempdima=\wd\z@
1738   \@mathmeasure\z@#7{#1}%
1739   \ifdim\noexpand\wd\z@>\@tempdima
1740     $\m@th#7#1$%
1741   \else
1742     \@mathmeasure\z@#7{#2}%
1743     \ifdim\noexpand\wd\z@>\@tempdima
1744       $\m@th#7#2$%
1745     \else
1746       \@mathmeasure\z@#7{#3}%
1747       \ifdim\noexpand\wd\z@>\@tempdima
1748         $\m@th#7#3$%
1749       \else
1750         \@mathmeasure\z@#7{#4}%
1751         \ifdim\noexpand\wd\z@>\@tempdima

```



```

1752      $\m@th#7#4$%
1753      \else
1754      \mathmeasure\z@#7{#5}%
1755      \ifdim\noexpand\wd\z@>\@tempdima
1756      $\m@th#7#5$%
1757      \else
1758      #6#7%
1759      \fi
1760      \fi
1761      \fi
1762      \fi
1763      \fi}
1764
1765 \def\overbrace@expandable#1#2#3{\vbox{\m@th\ialign{##\crcr
1766   #1#2{#3}\crcr\noalign{\kern2\p@\nointerlineskip}%
1767   $\m@th\hfil#2#3\hfil$\crcr}}
1768 \def\underbrace@expandable#1#2#3{\vtop{\m@th\ialign{##\crcr
1769   $\m@th\hfil#2#3\hfil$\crcr
1770   \noalign{\kern2\p@\nointerlineskip}%
1771   #1#2{#3}\crcr}}
1772
1773 \def\overbrace@#1#2#3{\vbox{\m@th\ialign{##\crcr
1774   #1#2\crcr\noalign{\kern2\p@\nointerlineskip}%
1775   $\m@th\hfil#2#3\hfil$\crcr}}
1776 \def\underbrace@#1#2#3{\vtop{\m@th\ialign{##\crcr
1777   $\m@th\hfil#2#3\hfil$\crcr
1778   \noalign{\kern2\p@\nointerlineskip}%
1779   #1#2\crcr}}
1780
1781 \def\bracefill@#1#2#3#4#5{$\m@th#5#1\leaders\hbox{$#4$}\hfill#2\leaders\hbox{$#4$}\hfill#3$}
1782
1783 \def\downbracefill@{\bracefill@\braceld\bracemd\bracerd\bracemid}
1784 \def\upbracefill@{\bracefill@\bracelu\bracemu\braceru\bracemid}
1785 \def\downgroupfill@{\bracefill@\braceld{}\bracerd\bracemid}
1786 \def\upgroupfill@{\bracefill@\bracelu{}\braceru\bracemid}
1787 \def\linesegmentfill@{\arrowfill@\leftfootline\relbar\rightfootline}
1788 \def\leftharpoonfill@{\arrowfill@\leftharpoondown\relbar\relbar}
1789 \def\rightharpoonfill@{\arrowfill@\relbar\relbar\rightharpoonup}
1790
1791 \DeclareRobustCommand{\downbracefill}{\downbracefill@\textstyle}
1792 \DeclareRobustCommand{\upbracefill}{\upbracefill@\textstyle}
1793
1794 \def\upbrace@expandable{%
1795   \horiz@expandable
1796   \upbrace
1797   \upbraceg
1798   \upbracegg
1799   \upbraceggg
1800   \upbracegggg
1801   \upbracefill@}
1802 \def\downbrace@expandable{%
1803   \horiz@expandable
1804   \downbrace
1805   \downbraceg

```

```

1806 \downbracegg
1807 \downbraceggg
1808 \downbracegggg
1809 \downbracefill@}
1810
1811 \DeclareRobustCommand{\overbrace}[1]{\mathop{\mathpalette{\overbrace@expandable\downbrace@expanda
1812 \DeclareRobustCommand{\underbrace}[1]{\mathop{\mathpalette{\underbrace@expandable\upbrace@expanda
1813
1814 \DeclareRobustCommand{\overgroup}{\mathpalette{\overbrace@\downgroupfill@}}
1815 \DeclareRobustCommand{\undergroup}{\mathpalette{\underbrace@\upgroupfill@}}
1816 \DeclareRobustCommand{\overlinesegment}{\mathpalette{\overarrow@\linesegmentfill@}}
1817 \DeclareRobustCommand{\overlefttharpoon}{\mathpalette{\overarrow@\leftharpoonfill@}}
1818 \DeclareRobustCommand{\overrighttharpoon}{\mathpalette{\overarrow@\rightharpoonfill@}}
1819 \DeclareRobustCommand{\underlinesegment}{\mathpalette{\underarrow@\linesegmentfill@}}

```

Mathchars.

```

1820 \DeclareMathSymbol{=}{\mathrel}{MnSyD}{'000}
1821 \DeclareMathSymbol{<}{\mathrel}{MnSyD}{'100}
1822 \DeclareMathSymbol{>}{\mathrel}{MnSyD}{'101}
1823 \DeclareMathSymbol{+}{\mathbin}{MnSyC}{'024}
1824 \DeclareMathSymbol{-}{\mathbin}{MnSyC}{'020}
1825 \DeclareMathSymbol{*}{\mathbin}{MnSyC}{'207}
1826 \DeclareMathSymbol{|}{\mathord}{largesymbols}{'123}
1827 \DeclareMathSymbol{()}{\mathopen}{largesymbols}{'210}
1828 \DeclareMathSymbol{)}{\mathclose}{largesymbols}{'215}
1829 \DeclareMathSymbol{:}{\mathrel}{MnSyC}{'002}
1830 \DeclareMathSymbol{[]}{\mathopen}{largesymbols}{'000}
1831 \DeclareMathSymbol{[]}{\mathclose}{largesymbols}{'005}
1832 \DeclareMathSymbol{/}{\mathord}{largesymbols}{'176}
1833
1834 \DeclareMathRadical{\sqrt}{largesymbols}{'272}{largesymbols}{'272}
1835 \DeclareRobustCommand{\surd}{\mathchar'11672}
1836
1837 \DeclareMathAccent{\widehat}{\mathord}{largesymbols}{'302}
1838 \DeclareMathAccent{\widetilde}{\mathord}{largesymbols}{'307}
1839 \DeclareMathAccent{\wideparen}{\mathord}{largesymbols}{'314}
1840 \DeclareMathAccent{\vec}{\mathord}{largesymbols}{'321}
1841 \DeclareMathAccent{\middlebar}{\mathord}{largesymbols}{'322}
1842 \DeclareMathAccent{\middleslash}{\mathord}{largesymbols}{'323}
1843 \DeclareMathAccent{\strokethrough}{\mathord}{largesymbols}{'324}

```

There is no \not symbol in MnSymbol since all symbols come with a stroked companion. For compatibility we define a \not command that places a virgule over the following symbol.

```

1844 %\def\overstrike#1#2{%
1845 % \mathchoice
1846 % {\@overstrike\displaystyle{#1}{#2}}%
1847 % {\@overstrike\textstyle{#1}{#2}}%
1848 % {\@overstrike\scriptstyle{#1}{#2}}%
1849 % {\@overstrike\scriptscriptstyle{#1}{#2}}%
1850 % #2}
1851 %\def\@overstrike#1#2#3{%
1852 % {\setbox0\hbox{$\m@th#1#3$}%
1853 % \hbox to \wd0{\hss$\m@th#1#2$\hss}%
1854 % \kern-\wd0}}

```

```

1855 %\def\not#1{\mathrel{\overstrike{/}{#1}}}
1856 \def\c@ncel#1#2{\m@th\oalign{${\hfil#1/\hfil$\c@r#1#2$}}
1857 \def\not#1{\mathrel{\m@th\mathpalette\c@ncel{#1}}}
1858 %
1859 %\renewcommand{\AmSfont}{%
1860 % \usefont{OMS}{MnSymbolS}{\if\@xp\@car\f@series\@nil bb\else m\fi}{n}}
1861 \end{style}

```