*B.4 Arrows* 507

## **B.4** Arrows

Туре	Typeset	Туре	Typeset
\leftarrow	<b>←</b>	\rightarrow or \to	$\rightarrow$
\longleftarrow	←	\longrightarrow	$\longrightarrow$
\Leftarrow	<	\Rightarrow	$\Rightarrow$
\Longleftarrow	$\Leftarrow$	\Longrightarrow	$\Longrightarrow$
\leftrightarrow	$\longleftrightarrow$	\longleftrightarrow	$\longleftrightarrow$
\Leftrightarrow	$\Leftrightarrow$	\Longleftrightarrow	$\iff$
\uparrow	<b>↑</b>	\downarrow	$\downarrow$
\Uparrow	$\uparrow$	\Downarrow	$\Downarrow$
\updownarrow	$\uparrow$	\Updownarrow	<b>\$</b>
\nearrow	7	\searrow	\
\swarrow	/	\nwarrow	_
\iff	$\iff$	\mapstochar	ŀ
\mapsto	$\mapsto$	\longmapsto	$\longmapsto$
\hookleftarrow	$\leftarrow$	\hookrightarrow	$\hookrightarrow$
\leftharpoonup	_	\rightharpoonup	$\rightarrow$
\leftharpoondown	_	\rightharpoondown	$\rightarrow$
\leadsto	$\sim$		
\leftleftarrows	$\rightleftharpoons$	\rightrightarrows	$\Rightarrow$
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	$\stackrel{\longleftarrow}{\longrightarrow}$	\rightleftarrows	$\rightleftharpoons$
\Lleftarrow	<b></b>	\Rrightarrow	$\Rightarrow$
\twoheadleftarrow	<del>«</del>	\twoheadrightarrow	$\longrightarrow$
\leftarrowtail	$\leftarrow$	\rightarrowtail	$\rightarrowtail$
\looparrowleft	$\leftarrow$	\looparrowright	$\rightarrow$
\upuparrows	$\uparrow\uparrow$	\downdownarrows	$\downarrow\downarrow$
$\upharpoonleft$	1	\upharpoonright	1
\downharpoonleft	1	\downharpoonright	ļ
\leftrightsquigarrow	<del>\\\\\</del>	\rightsquigarrow	<b>~</b> →
$\mbox{\mbox{\tt multimap}}$	<b>⊸</b> ∘		
\nleftarrow	↔	\nrightarrow	$\rightarrow \rightarrow$
$\n$	#	\nRightarrow	$\Rightarrow$
$\nleftrightarrow$	$\leftrightarrow$	$\n$	<b>#</b>
\dashleftarrow	<b>←</b>	\dashrightarrow	<b></b> →
\curvearrowleft	$ \leftarrow $	\curvearrowright	$\curvearrowright$
\circlearrowleft	Q	\circlearrowright	$\bigcirc$
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	$\leftrightharpoons$	$\rightleftharpoons$	$\rightleftharpoons$
\Lsh	ή	\Rsh	Ļ