

Prelude			
\LaTeX	Unicode	Output	Meaning
$\{$	007B	{	Open bracket
$\}$	007D	}	Close bracket
\where	007C	}	Box separator
Δ	0394	Δ	Schema name prefix
Ξ	039E	Ξ	Schema name prefix
θ	03B8	θ	Binding expression
μ	03BC	μ	Definite description
\llbracket	27EA	\llbracket	Freetype left bracket
\rrbracket	27EB	\rrbracket	Freetype right bracket
\lbracket	2989	\lbracket	Binding left bracket
\rbracket	298A	\rbracket	Binding right bracket
\vdash	22A2	\vdash	Conjecture
\wedge	2227	\wedge	Conjunction
\vee	2228	\vee	Disjunction
\implies	21D2	\implies	Implication
\iff	21D4	\iff	Equivalence
\lnot	00AC	\lnot	Negation
\forall	2200	\forall	Universal quantifier
\exists	2203	\exists	Existential quantifier
\in	2208	\in	Set membership
\bullet	2981	\bullet	Expression separator
\circ	2981	\circ	Expression separator
\hide	29F9	\hide	Schema hiding
\project	2A21	\project	Schema projection
\semi	2A1F	\semi	Schema composition
πpe	2A20	πpe	Schema piping
\IF	"IF"	if	Conditional
\THEN	"THEN"	then	
\ELSE	"ELSE"	else	
\LET	"LET"	let	Let expression
\pre	"pre"	pre	Schema precondition
\function	"function"	function	Functional operators
\generic	"generic"	generic	Generic operators
\relation	"relation"	relation	Relational operators
\leftassoc	"leftassoc"	leftassoc	Left-associative
\rightassoc	"rightassoc"	rightassoc	Right-associative
\listarg	" "	,	List of arguments
\varg	" "	-	Operator argument
\power	2119	\mathbb{P}	Power set
\cross	00D7	\times	Cross product
\arithmos	-0001D538	\mathbb{A}	Any number
\nat	2115	\mathbb{N}	Natural numbers
α	03B1	α	alpha
β	03B2	β	beta
γ	03B3	γ	gamma
δ	03B4	δ	delta
ϵ	03B5	ϵ	epsilon
ζ	03B6	ζ	zeta
η	03B7	η	eta
ι	03B9	ι	iota
κ	03BA	κ	kappa
ν	03BD	ν	nu
ξ	03BE	ξ	xi
π	03C0	π	pi
ρ	03C1	ρ	rho
σ	03C3	σ	sigma
τ	03C4	τ	tau
υ	03C5	υ	upsilon
ϕ	03C6	ϕ	phi
χ	03C7	χ	chi
ψ	03C8	ψ	psi
ω	03C9	ω	omega
Γ	0393	Γ	Gamma
Θ	0398	Θ	Theta
Λ	039B	Λ	Lambda
Π	03A0	Π	Pi
Σ	03A3	Σ	Sigma
Υ	03A5	Υ	Upsilon
Φ	03A6	Φ	Phi
Ψ	03A8	Ψ	Psi
Ω	03A9	Ω	Omega

Number Toolkit			
\LaTeX	Unicode	Output	Meaning
\succ	"succ"	<i>succ</i>	Successor function
νm	2124	\mathbb{Z}	Integers
\negate	002D	-	Arithmetic negation
$-$	"-"	-	Subtraction
\leq	2264	\leq	Less than or equal
$<$	"<"	$<$	Less than
\geq	2265	\geq	Greater than or equal
$>$	">"	$>$	Greater than
\nat_1		\mathbb{N}_1	Strictly positive \mathbb{N}
$*$	"*"	*	Multiplication
\div	"div"	div	Division
\mod	"mod"	mod	Modulus

Set Toolkit			
\LaTeX	Unicode	Output	Meaning
\rel	2194	\leftrightarrow	Relations
\fun	2192	\rightarrow	Total functions
\neq	2260	\neq	Inequality
\notin	2209	\notin	Non-membership
\emptyset	2205	\emptyset	Empty set
\subseteq	2286	\subseteq	Subset relation
\subset	2282	\subset	Proper subset
\power_1		\mathbb{P}_1	Non-empty subsets
\cup	222A	\cup	Set union
\cap	2229	\cap	Set intersection
\setminus	005C	\setminus	Set difference
\symdiff	2296	\oplus	Set symmetric difference
\bigcup	22C3	\bigcup	Generalised union
\bigcap	22C2	\bigcap	Generalised intersection
\finset	-0001D53D	\mathbb{F}	Finite subsets
\finset_1		\mathbb{F}_1	Non-empty finite subsets

Relation Toolkit ← Set Toolkit			
\LaTeX	Unicode	Output	Meaning
\first	"first"	<i>first</i>	Tuple projection
\second	"second"	<i>second</i>	Tuple projection
\mapsto	21A6	\mapsto	Maplets
\dom	"dom"	dom	Domain
\ran	"ran"	ran	Range
\id	"id"	id	Identity relation
\comp	2A3E	\circ	Relational composition
\circ	2218	\circ	Functional composition
\dres	25C1	\triangleleft	Domain restriction
\rres	25B7	\triangleleft	Range restriction
\ndres	2A64	\triangleleft	Domain subtraction
\nrres	2A65	\triangleright	Range subtraction
\inv	223C	\sim	Relational inversion
\liml	2987	\langle	Rel. image left bracket
\limr	2988	\rangle	Rel. image right bracket
\oplus	2295	\oplus	Overriding
\plus	"^+"	+	Transitive closure
\star	"^*"	*	Reflexive transitive closure

Function Toolkit ← Relation Toolkit			
\LaTeX	Unicode	Output	Meaning
\pfun	21F8	\rightharpoonup	Partial functions
πnj	2914	\rightharpoonup	Partial injections
\inj	21A3	\rightarrow	Total injections
\psurj	2900	\twoheadrightarrow	Partial surjections
\surj	21A0	\twoheadrightarrow	Total surjections
\bij	2916	\rightarrow	Bijections
\ffun	21F8	\twoheadrightarrow	Finite functions
\finj	2915	\twoheadrightarrow	Finite injections
\disjoint	"disjoint"	disjoint	Disjointness
\partition	"partition"	partition	Partitions

Sequence Toolkit ← Function, Number Toolkit			
L ^A T _E X	Unicode	Output	Meaning
<code>\upto</code>	“..”	<i>..</i>	Number range
<code>iter</code>	“iter”	<i>iter</i>	Iteration
<code>\#</code>	0023	<i>#</i>	Set cardinality
<code>min</code>	“min”	<i>min</i>	Minimum
<code>max</code>	“max”	<i>max</i>	Maximum
<code>\seq</code>	“seq”	<i>seq</i>	Finite sequences
<code>\seq_1</code>		<i>seq</i> ₁	Non-empty finite sequences
<code>\iseq</code>	“iseq”	<i>iseq</i>	Injective sequences
<code>\langle</code>	27E8	<i><</i>	Sequence left bracket
<code>\rangle</code>	27E9	<i>></i>	Sequence right bracket
<code>\cat</code>	2040	<i>^</i>	Sequence concatenation
<code>rev</code>	“rev”	<i>rev</i>	Reverse
<code>head</code>	“head”	<i>head</i>	Head of sequence
<code>last</code>	“last”	<i>last</i>	Last of sequence
<code>tail</code>	“tail”	<i>tail</i>	Tail of sequence
<code>front</code>	“front”	<i>front</i>	Front of sequence
<code>squash</code>	“squash”	<i>squash</i>	Squashing
<code>\extract</code>	21BF	<i> </i>	Extracting
<code>\filter</code>	21BE	<i> </i>	Filtering
<code>\prefix</code>	“prefix”	<i>prefix</i>	Prefix relation
<code>\suffix</code>	“suffix”	<i>suffix</i>	Suffix relation
<code>\infix</code>	“infix”	<i>infix</i>	Infix relation
<code>\dcat</code>		<i>^/</i>	Distributed concatenation

Standard Toolkit ← Sequence Toolkit			
L ^A T _E X	Unicode	Output	Meaning