

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	Freestyle left bracket
\rrbracket	27EB	\rrbracket	Freestyle 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
\Rightarrow	21D2	\Rightarrow	Implication
\Leftrightarrow	21D4	\Leftrightarrow	Equivalence
\neg	00AC	\neg	Negation
\forall	2200	\forall	Universal quantifier
\exists	2203	\exists	Existential quantifier
\in	2208	\in	Set membership
\bullet	2981	\bullet	Expression separator
$@$	2981	\bullet	Expression separator
\backslash	29F9	\backslash	Schema hiding
\project	2A21	\downarrow	Schema projection
\semi	2A1F	\circ	Schema composition
πpe	2A20	\gg	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"	\succ	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 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"	\first	Tuple projection
\second	"second"	\second	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	\triangleright	Range restriction
\ndres	2A64	\triangleleft	Domain subtraction
\nrres	2A65	\triangleright	Range subtraction
\inv	223C	\sim	Relational inversion
\limg	2987	\limg	Rel. image left bracket
\rimg	2988	\rimg	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	\mapsto	Partial functions
πnj	2914	\mapsto	Partial injections
\inj	21A3	\mapsto	Total injections
\psurj	2900	\mapsto	Partial surjections
\surj	21A0	\mapsto	Total surjections
\bij	2916	\mapsto	Bijections
\ffun	21F8	\mapsto	Finite functions
\finj	2915	\mapsto	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