<table>
<tr><td>$\land$</td><td>/\ or \land</td><td>and, conjunction</td></tr>
<tr><td>$\lor$</td><td>\/ or \lor</td><td>or, disjunction</td></tr>
<tr><td>$\neg$</td><td>or \lnot or \neg</td><td>not</td></tr>
<tr><td>$\in$</td><td>\in</td><td>in</td></tr>
<tr><td>$\notin$</td><td>\notin</td><td>not in</td></tr>
<tr><td>$\langle x, y\rangle$</td><td><< x, y>></td><td>a tuple containing some x, y</td></tr>
<tr><td>$\lt$</td><td><</td><td>less than</td></tr>
<tr><td>$\leq$</td><td>\leq or =<</td><td>less than or equal</td></tr>
<tr><td>$\ll$</td><td>\ll</td><td>much less?</td></tr>
<tr><td>$\equiv$</td><td><=> or \equiv</td><td>is equivalent to</td></tr>
<tr><td>$\gt$</td><td>></td><td>greater</td></tr>
<tr><td>$\geq$</td><td>\geq or >=</td><td>greater or equal</td></tr>
<tr><td>$\gg$</td><td>\gg</td><td>much greater?</td></tr>
<tr><td>$\prec$</td><td>\prec</td><td>precedes</td></tr>
<tr><td>$\preceq$</td><td>\preceq</td><td>precedes or equals</td></tr>
<tr><td>$\succ$</td><td>\succ</td><td>succeeds</td></tr>
<tr><td>$\succeq$</td><td>\succeq</td><td>succeeds or equals</td></tr>
<tr><td>$\subset$</td><td>\subset</td><td>subset</td></tr>
<tr><td>$\subseteq$</td><td>\subseteq</td><td>subset or equal</td></tr>
<tr><td>$\sqsubset$</td><td>\sqsubset</td><td>bag subset/is a refinement?</td></tr>
<tr><td>$\sqsubseteq$</td><td>\sqsubseteq</td><td>bag subset or equal/is a refinement or equal?</td></tr>
<tr><td>$A \vdash B$</td><td>|-</td><td>B can be derived from A?</td></tr>
<tr><td>$[S \to T]$</td><td>[S -> T]</td><td>set of functions</td></tr>
<tr><td>$\to$</td><td>-></td><td>step</td></tr>
<tr><td>$\cap$</td><td>\cap or \intersect</td><td>intersection</td></tr>
<tr><td>$\sqcap$</td><td>\sqcap</td><td></td></tr>
<tr><td>$\oplus$</td><td>(+) or \oplus</td><td>bag union</td></tr>
<tr><td>$\ominus$</td><td>(-) or \ominus</td><td>bag difference</td></tr>
<tr><td>$\odot$</td><td>(.) or \odot</td><td></td></tr>
<tr><td>$\otimes$</td><td>(\X) \otimes</td><td>Cartesian product</td></tr>
<tr><td>$\oslash$</td><td>(/) or \oslash</td><td></td></tr>
<tr><td>$\exists$</td><td>\E</td><td>existential quantification (there exists)</td></tr>
<tr><td>$\exists!$</td><td>\exists!</td><td>there exists exactly one</td></tr>
<tr><td>$\boldsymbol{\exists}$</td><td>\EE</td><td>temporal existential quantification, 'hiding'</td></tr>
<tr><td>$f[e]$</td><td>f[e]</td><td>function application</td></tr>
<tr><td>$[A]_v$</td><td>[A]_v</td><td>action operator, 'square A sub v', A happens or v is unchanged, [A \/ v' = v], allows stuttering</td></tr>
<tr><td>WF_v</td><td>WF_v</td><td>weak fairness variables</td></tr>
<tr><td>SF_v</td><td>SF_v</td><td>strong fairness variables</td></tr>
<tr><td>$\supseteq$</td><td>\supseteq</td><td>superset</td></tr>
<tr><td>$\supset$</td><td>\supset</td><td>superset</td></tr>
<tr><td>$\sqsupset$</td><td>\sqsupset</td><td>bag superset</td></tr>
<tr><td>$\sqsupseteq$</td><td>\sqsupseteq</td><td>bag superset or equal</td></tr>
<tr><td>$\dashv$</td><td>-|</td><td></td></tr>
<tr><td>$\models$</td><td>|=</td><td>models/satisfies a temporal formula</td></tr>
<tr><td>$\leftarrow$</td><td><-</td><td>substitution</td></tr>
<tr><td>$\cup$</td><td>\cup or \union</td><td>union</td></tr>
<tr><td>$\sqcup$</td><td>\sqcup</td><td></td></tr>
<tr><td>$\uplus$</td><td>\uplus</td><td></td></tr>
<tr><td>$\times$</td><td>\X or \times</td><td>multiply</td></tr>
<tr><td>$\wr$</td><td>\wr</td><td></td></tr>
<tr><td>$\propto$</td><td>\propto</td><td>propositional something?</td></tr>
</table>

<table>
<tr><td>$\forall$</td><td>\A</td><td>universal quantification (for all)</td></tr>
<tr><td>$\boldsymbol{\forall}$</td><td>\AA</td><td>temporal universal quantification</td></tr>
<tr><td>$\langle A \rangle_v$</td><td><<A>>_v</td><td>action operator, 'angle A sub v', A happens and v changes, [A /\ v' \# v]</td></tr>
<tr><td>$\Rightarrow$</td><td>=></td><td>implies</td></tr>
<tr><td>$\triangleq$</td><td>==</td><td>is equivalent</td></tr>
<tr><td>$\neq$</td><td>\neq or #</td><td>not equal</td></tr>
<tr><td>$\Box$</td><td>[]</td><td>always in the future/henceforth</td></tr>
<tr><td>$\Diamond$</td><td><></td><td>sometime(s) in the future/eventually</td></tr>
<tr><td>$n..m$</td><td>n .. m</td><td>integer interval, n to m inclusive (Naturals module)</td></tr>
<tr><td>x</td><td>x</td><td>operator of arity 2</td></tr>
<tr><td>$SUBSETS$</td><td>SUBSET S</td><td>set of all subsets of S</td></tr>
<tr><td>$CHOOSEx \in S : p$</td><td>CHOOSE x \in S : p</td><td>Choose x such that x is in S, and p is TRUE</td></tr>
<tr><td>$\leadsto$</td><td>></td><td>leads to</td></tr>
<tr><td>$E \stackrel{+}{\rhd} M$</td><td>-+-></td><td>E guarantees M: M remains true at least one step longer than E does</td></tr>
<tr><td>$[h_1 > e_1, ..., h_n \mapsto e_n]$</td><td>[h_1 |-> e_1, ..., h_n |-> e_n]</td><td>function/record constructor</td></tr>
<tr><td>$[x \in S|- > e]$</td><td>[x \in S |-> e]</td><td>function constructor</td></tr>
<tr><td>$[h_1 : S_1, ..., h_n : S_n]$</td><td>[h1: s1, ..., hn: sn]</td><td>set of records</td></tr>
<tr><td></td><td></td><td>empty set</td></tr>
<tr><td>$e_1, ..., e_n$</td><td>e1, ..., en</td><td>set</td></tr>
<tr><td>$x \in S : p$</td><td>x \in S : p</td><td>set constructor</td></tr>
<tr><td>$e : x \in S$</td><td>e: x \in S</td><td>set constructor</td></tr>
<tr><td>$\div$</td><td>\div</td><td>integer division</td></tr>
<tr><td>$A \cdot B$</td><td>A \cdot B</td><td>composition of actions, executing A then B as one step</td></tr>
<tr><td>$\circ$</td><td>\o or \circ</td><td>concatenate sequences</td></tr>
<tr><td>$\bullet$</td><td>\doteq</td><td></td></tr>
<tr><td>$\star$</td><td>\star</td><td></td></tr>
<tr><td>$\bigcirc$</td><td>\bigcirc</td><td></td></tr>
<tr><td>$\simeq$</td><td>\sim</td><td>stuttering equivalent</td></tr>
<tr><td>$\asymp$</td><td>\asymp</td><td></td></tr>
<tr><td>$\approx$</td><td>\approx</td><td></td></tr>
<tr><td>$\cong$</td><td>\cong</td><td></td></tr>
<tr><td>$\doteq$</td><td>\doteq</td><td></td></tr>
<tr><td>x^y</td><td>x^y</td><td>exponentiation</td></tr>
<tr><td>$'$</td><td>'</td><td>prime</td></tr>
<tr><td>$\sim$</td><td>\sim</td><td>stuttering equivalent</td></tr>
<tr><td>!</td><td>!</td><td>new record (in EXCEPT expression)</td></tr>
<tr><td>@</td><td>@</td><td>previous record field value (in EXCEPT expression)</td></tr>
<tr><td>:></td><td>:></td><td>One key-value mapping in a function (TLC module)</td></tr>
<tr><td>@@</td><td>@@</td><td>Function composition (TLC module)</td></tr>
<tr><td>α</td><td>\alpha</td><td>alpha</td></tr>
<tr><td>β</td><td>\beta</td><td>beta</td></tr>
<tr><td>γ</td><td>\gamma</td><td>gamma</td></tr>
<tr><td>Γ</td><td>\Gamma</td><td>Gamma</td></tr>
<tr><td>δ</td><td>\delta</td><td>delta</td></tr>
<tr><td>Δ</td><td>\Delta</td><td>Delta</td></tr>
<tr><td>ϵ</td><td>\epsilon</td><td>epsilon</td></tr>
<tr><td>ε</td><td>\varepsilon</td><td>variant epsilon</td></tr>
<tr><td>ζ</td><td>\zeta</td><td>zeta</td></tr>
<tr><td>η</td><td>\eta</td><td>eta</td></tr>
<tr><td>θ</td><td>\theta</td><td>theta</td></tr>
</table>

ϑ	\vartheta	variant theta
Θ	\Theta	Theta
ι	\iota	iota
κ	\kappa	kappa
λ	\lambda	lambda
Λ	\Lambda	Lambda
μ	\mu	mu
ν	\nu	nu
o	o	omicron
π	\pi	pi
Π	\Pi	Pi
ρ	\rho	rho
ϱ	\varrho	variant rho
σ	\sigma	sigma
ς	\varsigma	variant sigma
Σ	\Sigma	Sigma
τ	\tau	tau
υ	\upsilon	upsilon
Υ	\Upsilon	Upsilon
ϕ	\phi	phi
φ	\varphi	variant phi
Φ	\Phi	Phi
χ	\chi	chi
ψ	\psi	psi
Ψ	\Psi	Psi
ω	\omega	omega
Ω	\Omega	Omega
∂	\partial	partial