$$
\begin{aligned}
process &::= protocol\_decl\ ^? \ property\_decl\ ^? \ rule\_decl\ ^? \\
protocol\_decl &::= \textbf{event}\ (event\_name\ ;)^+ \\
&\quad\ \ \textbf{protocol}\ (protocol\ ;;)^+ \\
protocol &::= event\_name\ |\ protocol\ ;\ protocol \\
&\quad\ \ |\ protocol + protocol\ |\ protocol *\ |\ (\ protocol\ ) \\
property\_decl &::= \textbf{variable}\ (var\_name\ ;)^+ \\
&\quad\ \ \textbf{property}\ (ldl\_formula\ ;)^+ \\
rule\_decl &::= \textbf{rule}\ rule^+ \\
rule &::= \textbf{on}\ event\_name \\
&\quad\ \ \textbf{when}\ condition \\
&\quad\ \ action\ ^+ \\
condition &::= proposition\ |\ \texttt{<}\ ldl\_path\ \texttt{>}\ condition \\
action &::= \textbf{ensure}\ proposition \\
&\quad\ \ |\ \textbf{raise}\ event\_name\ (\texttt{+}\ event\_name\ )^*
\end{aligned}
$$