$$
\begin{aligned}
\mathit{contract} &::= \mathit{decl}^{+} \\
\mathit{decl} &::= \mathit{event\_decl} \mid \mathit{protocol\_decl} \mid \mathit{variable\_decl} \mid \mathit{property\_decl} \mid \mathit{rule\_decl} \\
\mathit{event\_decl} &::= \textbf{event}\ \mathit{event\_name}\ (\textbf{,}\ \mathit{event\_name})^{*}\ \textbf{;} \\
\mathit{protocol\_decl} &::= \textbf{protocol}\ \mathit{protocol}\ \textbf{;}\ \textbf{;} \\
\mathit{protocol} &::= \textbf{any} \mid \mathit{event\_name} \mid \mathit{protocol}\ \textbf{;}\ \mathit{protocol} \\
&\quad \mid \mathit{protocol}\ \textbf{+}\ \mathit{protocol} \mid \mathit{protocol}\ \textbf{*} \\
\mathit{variable\_decl} &::= \textbf{variable}\ \Big(\ \mathit{var\_name}\ (\textbf{,}\ \mathit{var\_name})^{*}\ (\ \textbf{:}\ \mathit{type}\ )^{?}\ \textbf{;}\ \Big)^{+} \\
\mathit{type} &::= \textbf{bool} \mid \textbf{max}\ \textbf{(}\ \mathit{number}\ \textbf{)} \\
\mathit{property\_decl} &::= \textbf{property}\ (\mathit{ldl\_formula}\ \textbf{;})^{+} \\
\mathit{rule\_decl} &::= \textbf{rule}\ (\mathit{rule}\ \textbf{;})^{+} \\
\mathit{rule} &::= \Big(\ \textbf{except}^{?}\ \textbf{on}\ \mathit{event\_name}\ (\textbf{,}\ \mathit{event\_name})^{*}\ (\textbf{\{}\ \mathit{code}\ \textbf{\}})^{?}\ \Big)^{?} \\
&\quad \Big(\ \textbf{when}\ \mathit{condition}\ (\textbf{\{}\ \mathit{code}\ \textbf{\}})^{?}\ \Big)^{?} \\
&\quad \mathit{action}\ (\textbf{\{}\ \mathit{code}\ \textbf{\}})^{?} \\
\mathit{condition} &::= \mathit{proposition} \mid \textbf{<}\ \mathit{ldl\_path}\ \textbf{>}\ \mathit{condition} \\
\mathit{action} &::= \textbf{ensure}\ \mathit{proposition} \\
&\quad \mid \textbf{raise}\ \mathit{event\_name}\ (\textbf{+}\ \mathit{event\_name}\ )^{*} \\
&\quad \mid \textbf{preserve}\ (\mathit{var\_name}\ (\textbf{,}\ \mathit{var\_name})^{*}) \\
&\quad \mid \textbf{do}\ \textbf{(}\ \mathit{action}\ (\textbf{,}\ \mathit{action})^{*}\ \textbf{)}
\end{aligned}
$$