

# Gramática EXREGAN

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$$\begin{aligned} \textit{beginning} &\rightarrow \textit{LBRACKET instructions SEPARATOR} \backslash \\ &\quad \textit{SEPARATOR tests RBRACKET} \\ \\ \textit{instructions} &\rightarrow \textit{instruction instructions} \\ &\quad | \textit{instruction} \\ \\ \textit{instruction} &\rightarrow \textit{sets} \\ &\quad | \textit{expressions} \\ \\ \textit{sets} &\rightarrow \textit{set sets} \\ &\quad | \textit{set} \\ \\ \textit{set} &\rightarrow \textit{CONJ COLON IDENTIFIER ARROW groups SEMICOLON} \\ \\ \textit{groups} &\rightarrow \textit{charRange} \\ &\quad | \textit{list} \\ \\ \textit{charRange} &\rightarrow \textit{char TILDE char} \\ \\ \textit{list} &\rightarrow \textit{char COMMA} \\ &\quad | \textit{char} \\ \\ \textit{char} &\rightarrow \textit{INTEGER} \\ &\quad | \textit{CHAR} \\ &\quad | \textit{SYMBOL} \\ \\ \textit{expressions} &\rightarrow \textit{expression expressions} \\ &\quad | \textit{expression} \\ \\ \textit{expression} &\rightarrow \textit{IDENTIFIER ARROW regex SEMICOLON} \end{aligned}$$

$$\begin{aligned}
regex &\rightarrow UNION\ regex\ regex \\
&| CONCAT\ regex\ regex \\
&| OPTION\ regex \\
&| ITERATION\ regex \\
&| KLEENE\ regex \\
&| LBRACKET\ IDENTIFIER\ RBRACKET \\
&| NEWLINE \\
&| DOUBLEQUOTE \\
&| APOSTROPHE \\
&| STRING \\
&| char
\end{aligned}$$

$$\begin{aligned}
tests &\rightarrow test\ tests \\
&| test
\end{aligned}$$

$$test \rightarrow IDENTIFIER\ COLON\ STRING\ SEMICOLON$$