LR(0) : tree_making

- If there are no multiple entries in the "action table" then grammar will be LR(0) grammer.
- No need to make items separately, directly make a tree starting from $(S' \to .S)$

Example:- $E \to T+E \mid T$
$T \to id$

Similarly, for SLR(1), LR(1), LALR.

accept

$$E' \to E. \quad I_1$$

$$
\begin{array}{|l|}
\hline
E' \to .E \\
E \to .T+E \\
E \to .T \\
T \to .id \\
\hline
\end{array}
\quad I_0
$$

$\xrightarrow{E}$

$\xrightarrow{T}$

$$
\begin{array}{|l|}
\hline
E \to T. +E \\
E \to T. \\
\hline
\end{array}
\quad I_2
$$

$\xrightarrow{+}$

$$
\begin{array}{|l|}
\hline
E \to T+. E \\
E \to .T+E \\
E \to .T \\
T \to .id \\
\hline
\end{array}
\quad I_4
$$

$\xrightarrow{E}$

$$
\begin{array}{|l|}
\hline
E \to \\
T+E. \\
\hline
\end{array}
\quad I_5
$$

$\xrightarrow{id}$

$$
\begin{array}{|l|}
\hline
T \to id. \\
\hline
\end{array}
\quad I_3
$$

id

id