$$
\begin{array}{lcl}
S' & \rightarrow & S \\
S & \rightarrow & MM' \\
M & \rightarrow & LM \mid m \\
L & \rightarrow & LL' \mid l \\
L' & \rightarrow & LL' \mid l' \\
M' & \rightarrow & RM' \mid m \\
R & \rightarrow & RR' \mid r \\
R' & \rightarrow & RR' \mid r'
\end{array}
$$

- $LR(0)(\varepsilon) = \{$

$$
\begin{array}{ll}
[S' \rightarrow \cdot S], & \text{start rule} \\
[S \rightarrow \cdot MM'], & \varepsilon-\text{extension} \\
[M \rightarrow \cdot LM], [M \rightarrow \cdot m] & \varepsilon-\text{extension} \\
[L \rightarrow \cdot LL'], [L \rightarrow \cdot l] & \varepsilon-\text{extension}
\end{array}
$$

$\}$

- $LR(0)(S) = \{S' \rightarrow S\cdot\}$

- $LR(0)(L) = \{$

$$
\begin{array}{ll}
[M \rightarrow L \cdot M], & \\
[L \rightarrow L \cdot L'], [L \rightarrow \cdot LL'], [L \rightarrow \cdot l] & \\
[M \rightarrow \cdot LM], [M \rightarrow \cdot m], & \varepsilon-\text{extension} \\
[L' \rightarrow \cdot LL'], [L' \rightarrow \cdot l'] & \varepsilon-\text{extension}
\end{array}
$$

$\}$

- $LR(0)(LM) = \{[M \rightarrow LM\cdot]\}$

- $LR(0)(LL') = \{[L \rightarrow LL'\cdot]\}$

- $LR(0)(LL) = \{$

$$
\begin{array}{ll}
[M \rightarrow L \cdot M], & \\
[L' \rightarrow L \cdot L'] & \\
[L \rightarrow L \cdot L'] & \\
[M \rightarrow \cdot LM], [M \rightarrow \cdot m], & \varepsilon-\text{extension} \\
[L' \rightarrow \cdot LL'], [L' \rightarrow \cdot l'] & \varepsilon-\text{extension} \\
[L \rightarrow \cdot LL'], [L \rightarrow \cdot l] & \varepsilon-\text{extension}
\end{array}
$$

$\}$

$$
\begin{array}{lll}
LR(0)(LLL) & = LR(0)(LLL) = \ldots & \\
LR(0)(LM) & = LR(0)(LLM) & = LR(0)(LLLM) = \ldots \\
LR(0)(LLL') & = \{[L \rightarrow LL'\cdot], [L' \rightarrow LL'\cdot]\} = LR(0)(LLLL') & = \ldots
\end{array}
$$

- $LR(0)(l) = \{[L \rightarrow l\cdot]\}$

- $LR(0)(Ll') = LR(0)(LLl') = \ldots = \{[L' \rightarrow l'\cdot]\}$

- $LR(0)(m) = \{[M \rightarrow m\cdot]\}$

- $LR(0)(Lm) = LR(0)(LLm) = \ldots = \{[M \rightarrow m\cdot]\}$

- $LR(0)(M) = \{$

$$
\begin{array}{ll}
[S \rightarrow M \cdot M'], & \\
[M' \rightarrow \cdot RM'], [M' \rightarrow \cdot m] & \varepsilon-\text{extension} \\
[R \rightarrow \cdot RR'], [R \rightarrow \cdot r] & \varepsilon-\text{extension}
\end{array}
$$

$\}$

- $LR(0)(MM') = \{[S \rightarrow MM'\cdot]\}$

- $LR(0)(MR) = \{$

$$
\begin{array}{ll}
[M' \rightarrow R \cdot M'], & \\
[R \rightarrow R \cdot R'], & \\
[M' \rightarrow \cdot RM'], [M' \rightarrow \cdot m] & \varepsilon-\text{extension} \\
[R' \rightarrow \cdot RR'], [R' \rightarrow \cdot r'] & \varepsilon-\text{extension} \\
[R \rightarrow \cdot RR'], [R \rightarrow \cdot r] & \varepsilon-\text{extension}
\end{array}
$$

$\}$

- $LR(0)(MRM') = \{[M' \to RM'\cdot]\}$
- $LR(0)(MRR') = \{[R \to RR'\cdot]\}$
- $$\begin{array}{llll} LR(0)(MRR) = \{ & & & \\ & [R \to R \cdot R'], [R' \to R \cdot R'] & & \\ & [R' \to \cdot RR'], [R' \to \cdot r'] & \varepsilon\text{−extension} & \\ & [R \to \cdot RR'], [R \to \cdot r] & \varepsilon\text{−extension} & \\ \} & & & \end{array}$$
  $$\begin{array}{lllll} LR(0)(MRR) & = LR(0)(MRRR) & & = \dots & \\ LR(0)(MRR') & = \{[R \to RR'\cdot]\} & & & \\ LR(0)(MRR') & = \{[R \to RR'\cdot], [R' \to RR'\cdot]\} = LR(0)(MRRR') & & = LR(0)(MRRRR') & = \dots \end{array}$$
- $LR(0)(Mr) = \{[R \to r\cdot]\}$
- $LR(0)(Mm) = \{[M' \to m\cdot]\}$
- $LR(0)(MRr') = LR(0)(MRRr') = \dots = \{[R' \to r'\cdot]\}$
- $LR(0)(MRr) = LR(0)(MRRr) = \dots = \{[R \to r\cdot]\}$
- $LR(0)(MRm) = LR(0)(MRRm) = \dots = \{[M' \to m\cdot]\}$