

| | | | |
|----------|-----------------------------------|-----------------------------------|---|
| S_0 | $[S' \rightarrow .S \quad \$]$ | $[S \rightarrow .L=R \quad \$]$ | $[S \rightarrow .R \quad \$]$ |
| | $[L \rightarrow .*R \quad =]$ | $[L \rightarrow .a \quad =]$ | $[R \rightarrow .L \quad \$]$ |
| | $[L \rightarrow .*R \quad \$]$ | $[L \rightarrow .a \quad \$]$ | |
| S_1 | $[S' \rightarrow S. \quad \$]$ | | |
| S_2 | $[S \rightarrow L.=R \quad \$]$ | $[R \rightarrow L. \quad \$]$ | $\left\{ \begin{array}{l} \text{shift} \quad \text{for } = \\ \text{reduce} \quad \text{for } \$ \end{array} \right.$ |
| S_3 | $[S \rightarrow R. \quad \$]$ | | |
| S_4 | $[L \rightarrow *.R \quad =]$ | $[R \rightarrow .L \quad =]$ | $[L \rightarrow .*R \quad =]$ |
| | $[L \rightarrow .a \quad =]$ | $[L \rightarrow *.R \quad \$]$ | $[R \rightarrow .L \quad \$]$ |
| | $[L \rightarrow .*R \quad \$]$ | $[L \rightarrow .a \quad \$]$ | |
| S_5 | $[L \rightarrow a. \quad =]$ | $[L \rightarrow a. \quad \$]$ | |
| S_6 | $[S \rightarrow L=.R \quad \$]$ | $[R \rightarrow .L \quad \$]$ | $[L \rightarrow .*R \quad \$]$ |
| | $[L \rightarrow .a \quad \$]$ | | |
| S_7 | $[L \rightarrow *R. \quad =]$ | $[L \rightarrow *R. \quad \$]$ | |
| S_8 | $[R \rightarrow L. \quad =]$ | $[R \rightarrow L. \quad \$]$ | |
| S_9 | $[S \rightarrow L=R. \quad \$]$ | | |
| S_{10} | $[R \rightarrow L. \quad \$]$ | | |
| S_{11} | $[L \rightarrow *.R \quad \$]$ | $[R \rightarrow .L \quad \$]$ | $[L \rightarrow .*R \quad \$]$ |
| | $[L \rightarrow .a \quad \$]$ | | |
| S_{12} | $[L \rightarrow a. \quad \$]$ | | |
| S_{13} | $[L \rightarrow *R. \quad \$]$ | | |

LR(1) table for:

$$S' \rightarrow S \quad (0)$$

$$S \rightarrow L=R \mid R \quad (1,2)$$

$$L \rightarrow *R \mid a \quad (3,4)$$

$$R \rightarrow L \quad (5)$$

| | * | = | a | \$ | S | L | R |
|----------|-----|----|-----|----|----|-----|-----|
| S_0 | s4 | | s5 | | g1 | g2 | g3 |
| S_1 | | | | a | | | |
| S_2 | | s6 | | r5 | | | |
| S_3 | | | | r2 | | | |
| S_4 | s4 | | s5 | | | g8 | g7 |
| S_5 | | r4 | | r4 | | | |
| S_6 | s11 | | s12 | | | g10 | g9 |
| S_7 | | r3 | | r3 | | | |
| S_8 | | r5 | | r5 | | | |
| S_9 | | | | r1 | | | |
| S_{10} | | | | r5 | | | |
| S_{11} | s11 | | s12 | | | g10 | g13 |
| S_{12} | | | | r4 | | | |
| S_{13} | | | | r3 | | | |