

```

1: for each  $CC_i \in CC$  do
2:     for each LR(1) item  $I \in CC_i$  do
3:         if  $I$  is  $[A \rightarrow \beta \cdot c\gamma a]$  and  $goto(CC_i, c) = CC_j$  then
4:              $Action[i, c] \leftarrow \text{"shift } j\text{"}$ 
5:         else if  $I$  is  $[A \rightarrow \beta \cdot, a]$  then
6:              $Action[i, a] \leftarrow \text{"reduce } A \rightarrow \beta\text{"}$ 
7:         else if  $I$  is  $[S' \rightarrow S \cdot, eof]$  then
8:              $Action[i, eof] \leftarrow \text{"accept"}$ 
9:         end if
10:    end for
11:    for each  $n \in NT$  do
12:        if  $goto(CC_i, n) = CC_j$  then
13:             $Goto[i, n] \leftarrow j$ 
14:        end if
15:    end for
16: end for

```