1: $CC_0 \leftarrow closure(\{[S' \rightarrow \cdot S, eof]\})$
2: $CC \leftarrow \{CC_0\}$
3: **while** new sets are still being added to CC **do**
4:     **for each** unmarked set $CC_i \in CC$ **do**
5:         mark CC_i as processed
6:         **for each** x following a $\cdot$ in an LR(1) item in CC_i **do**
7:             $temp \leftarrow goto(CC_i, x)$
8:             **if** $temp \notin CC$ **then**
9:                 $CC \leftarrow CC \cup \{temp\}$
10:             **end if**
11:             record transition from CC_i to $temp$ on x
12:         **end for**
13:     **end for**
14: **end while**