In the following questions, consider the following grammar:

$$S_0 \rightarrow E$$

$$E \rightarrow \mathbf{id}$$

$$E \rightarrow \operatorname{id} (E)$$

$$E \rightarrow E + id$$

- 1. Build the LR(0) DFA (i.e., states and goto edges) for the following grammar:
- 2. Is this grammar LR(0)?
- 3. Build the SLR parsing table for the grammar.