

Construct a SLR(1) parse table for the following grammar showing the collection of sets of LR(0) items and the DFA defined by the goto function. Is the grammar SLR(1). Explain your answer.

$S \rightarrow icAb$

$A \rightarrow icA \mid E$

$E \rightarrow E + P \mid P$

$P \rightarrow i \mid (ibi) \mid (A)$