

1. Construct the SLR(1) parse table for the following grammar. Show parsing actions for the input string "abab".

$S \rightarrow AS \mid b$

$A \rightarrow SA \mid a$

2. Construct the CLR(1) parse table for the following grammar. Show parsing actions for the input string "abab".

$S \rightarrow AS \mid b$

$A \rightarrow SA \mid a$

3. Construct the SLR parser for the grammar.

$S \rightarrow aSA \mid a$

$A \rightarrow bB \mid cc$

$B \rightarrow bd \mid a$

Scan parser actions for the input string: "aabbdcc"

4. Construct the SLR(1) parse table for the following grammar. Show parsing actions for the input string "id * id + id"

$E \rightarrow E + T \mid T$

$T \rightarrow T * F \mid F$

$F \rightarrow (E) \mid id$