Chapter 5

5.8 Consider the following grammar

*declaration→type var-list*

*type →* ***int | float***

*var-list→* ***identifier****， var-list |****identifier***

1. Rewrite it in a form more suitable for bottom-up parsing.

b. Construct the DFA of LR(0) items for the rewritten grammar.

c. Construct the SLR(1) parsing table for the rewritten grammar.

d. Show the parsing stack and the actions of an SLR(1) parser for the input string **int x,y,z** using the table of part(c).

5.12 Show that the following grammar is LR(1) but not LALR(1):

*S→ aAd|bBd|aBe|bAe*

*A→ c*

*B→ c*