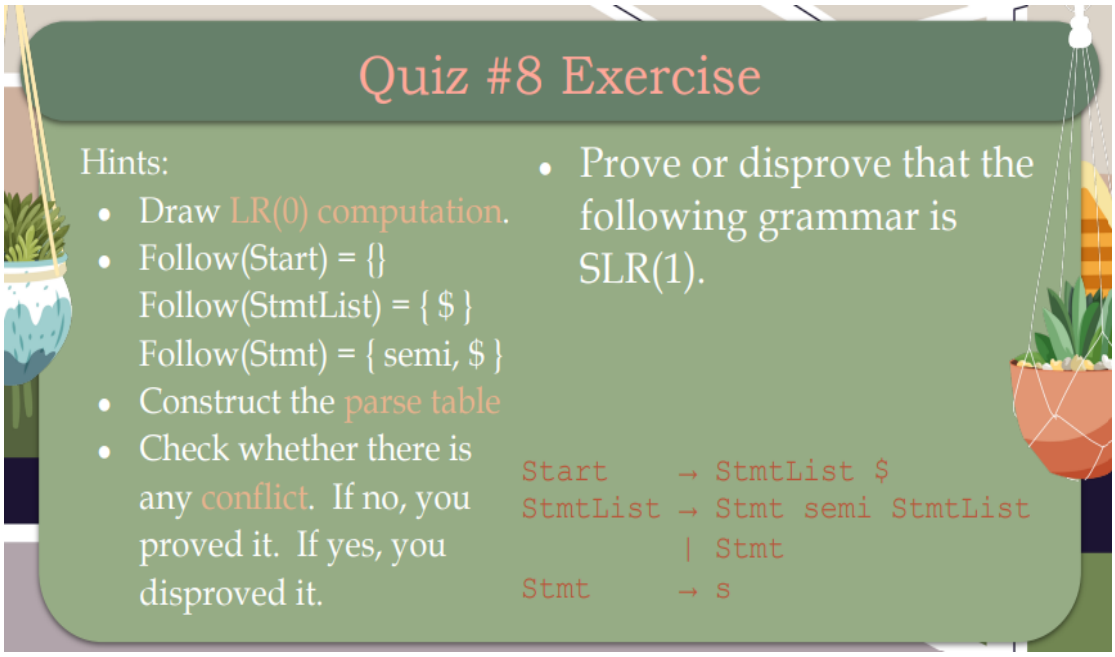

Grammar

1. Start → StmtList $
2. StmtList → Stmt semi StmtList
3. | Stmt
4. Stmt → s

I. LR(0) computation

State 0 **Start → ● StmtList $**	Go to 1
StmtList → ● Stmt semi StmtList	3
StmtList → ● Stmt	3
Stmt → ● s	6

State 1 **Start → StmtList ● $**	Go to 2

State 2 **Start → StmtList $ ●**	Go to

State 3 **StmtList → Stmt ● semi StmtList** **StmtList → Stmt ●**	Go to 4

State 4 **StmtList → Stmt semi ● StmtList**	Go to 5
StmtList → ● Stmt semi StmtList	3
StmtList → ● Stmt	3
Stmt → ● s	6

State 5 **StmtList → Stmt semi StmtList ●**	Go to

State 6 **Stmt → s ●**	Go to

Follow(Start) = {}

Follow(StmtList) = { $ }

Follow(Stmt) = { semi, $ }

II. parse table

State	s	semi	$	Start	StmtList	Stmt
0	6			accept	1	3
1			2			
2			1			
3		4	3			
4	6				5	3
5			2			
6		4	4			

III. Prove or disprove that the following grammar is SLR(1).

State 3 **StmtList → Stmt ● semi StmtList** **StmtList → Stmt ●**	Go to 4

因為 Follow(StmtList) = { $ } 中沒有 semi 4 ，沒有 conflict，所以 this grammar is SLR(1).