

This assignment is due by 11:59pm. Submit via checkin. You should do this assignment by yourself.

Show the LR(1) state diagram and the LR(1) parse table for the following grammar:

`prog -> dl sl`

`decl -> ID ID SEMI`

`dl -> epsilon | dl decl`

`stm -> ID EQ SEMI`

`sl -> epsilon | stm sl`

Total points: 100