This assignment is due by 11:59pm. Submit using the command ˜cs453/bin/checkin HW3 HW3.pdf. 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
sl   ->    epsilon | stm sl;
```

Total points: 100