CS 1622 – Homework 2
Due: Tuesday, February 25, 2014 at the start of class

Please submit a typewritten document. I’d prefer you draw your DFA on the computer, but if this is a challenge, you may hand draw them neatly on the paper by hand.

1.) Construct the DFA of LR(0) items for the following grammar:

   \[ A \rightarrow a \ B \mid a \ D \]
   \[ B \rightarrow b \ C \ b \]
   \[ C \rightarrow e \mid f \]
   \[ D \rightarrow d \]

2.) Build the SLR parse table for the above grammar. Show the Follow sets you built to determine the reduce actions.

3.) Show an SLR parse for the input:

   \[ a \ b \ f \ d \]

Show the stack, input, and actions in an action table as was done in the slides.