CS 1622 – Homework 2
Due: Monday, October 15, 2012 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:

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

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:

\[ a \ b \ d \ e \ f \]

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