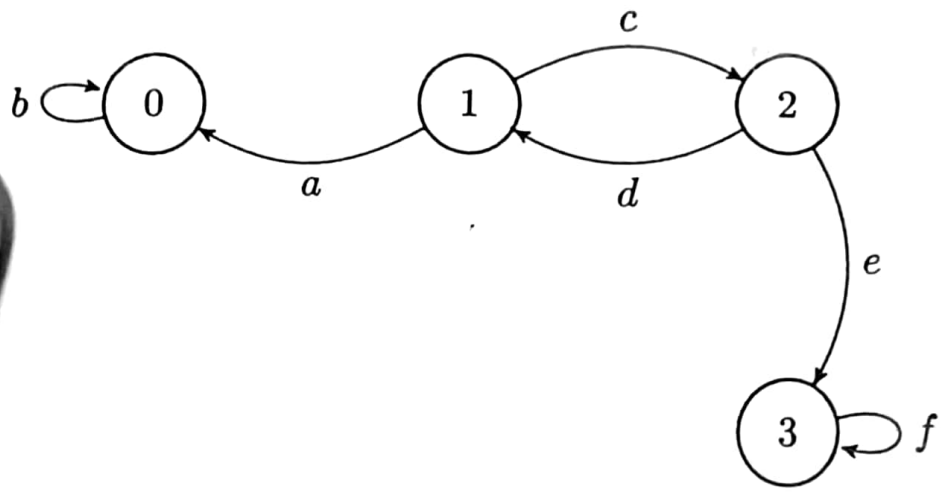
STUDENT ID: _____

ENGG. DRAWING LAB ASSESSMENT – DEPT. OF CSE, CU

(10 points) Do the necessary typesetting to produce the following diagram.



2. (15 points) Write the necessary code (in LaTeX/tikz) to typeset a doubly linked list where at least four nodes are present. Mark the beginning node distinctly.

   Use your imagination and good judgement.

3. (25 points) Write a series of codes that do the followings.

   A tiny C (or Python or Java) program that writes to a file 100 values of a math function (e.g., $\log x$ or e^x etc.). Use suitable points and interval from within the domain.

   Write a `tikz/pgf` code to plot from the data values and another curve directly for the function.

   Also repeat the above by adding some small noise to the data values in the step where you write to the file.

   Have a Makefile that deals with the build process and associated dependencies.