M350
Fall 2008

# Quiz 7

Name:_____

1. Write up the solution for problem 3, page 133.
2. Run the LBG clustering algorithm on the iris data given on the class website- Use the template given.
   - First, run the LBG for 10 clusters randomly initialized (from the data). Plot the end result.
   - Next, find the best plane for the data. Project the data and the cluster centers to that plane and visualize the results. Comment on the results (on the M-file)
3. Download and run the necessary files for the taxonomy project (details about the data attached). Change `driverSOM` so that the algorithm runs for 500 times (rather than 200). Do you get better results?

   Add the line for the fox:

   ```
   A=sim(net,X(:,5));
   ```

   See if you can figure out what the result $A$ means (compare $A$ with the plot)