

**CAP5015: Data Compression
Fall 2003**

Programming Assignment # 2

Due: October 23,2003

Write a program to implement the LBG vector quantization algorithm.
Run the program through the Example 9.4.1 (Sayood: Tables 9.1 and 9.2) and show the successive iteration results as the algorithm converges. Create some examples of your own to show the effect of the selection of initial codebook.