For this problem, I have implemented Logistic Regression with help of Neural Network. I have used Octave for this task. Cost function (squared) is made with regularization (l2 type) and minimized. The dataset consists of 150 cases, 3 of each output. So I have taken 120 cases i.e. first 40 cases of each type as training set in “datatrain2.mat” and 30 cases i.e. last 10 of each type as cross validation test in “datatest2”.

NOTE: To run, just run finalCode.m