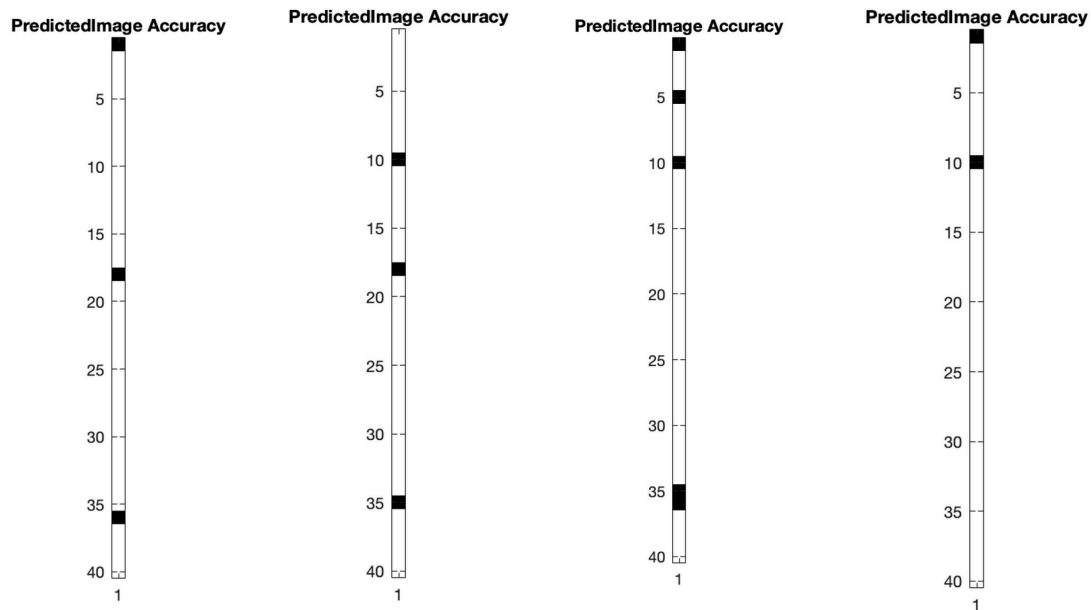# Lab8 report

From left to right is the LDA dimension [10, 20, 30, 39] result of correctness for the prediction. Black box means wrong prediction. From the figure, I find that he highest correctness result is LCD = 39, and PCA = 40, which is 95%. The worst result is 87.5%, when LCD is 30 and PCA is 40. The correctness trend from this figure should be increase as the LCD dimension close to the classes number.