Due Wednesday, February 24th, in class.

1. Given a frame of input speech with the autocorrelation values, I = 0, 1, . . . ,10:

1.0000   0.8618   0.5856   0.2790   -0.0642   -0.4065   -0.6843   -0.7770   -0.7016
-0.5629   -0.3365

Find:

(a) The 10th order and all lower order sets of linear prediction coefficients

(b) The associated mean squared prediction error for the 10th order and all lower order coefficients

(c) The reflection coefficients or PARCOR coefficients