MATH 321-01 (151)
MATLAB # 2
Due Oct. 15, 2015

Write a program to implement the modified Algorithm for Natural Cubic Spline. The program will use the MATLAB built in backslash operator to solve the system $Ax = b$. Another useful command is: zeros(n).

Modify your code to find the Clamped Cubic Spline.

Use your programs to form both the natural and the clamped spline to approximate $f(x) = sin(x)$ on the interval $[0, \pi]$ using the two interior points $\frac{\pi}{3}$ and $\frac{2\pi}{3}$.