EZEOBISI CLEMENTINA ONYINYECHUKWU
17/ENG04/027

ENG 281 Assignment 4

1) Command Window
2) clear
3) clc
4) P = [1, -2, -1, 3; 2, 3, 0, 1; 1, 0, -4, -2; 0, -1, 3, 1]
5) eig (P)
6) disp 'The System is unstable due to the presence of some positive.'
7) eigenvalues

=> Output obtained

P =

1	-2	-1	3
2	3	0	1
1	0	-4	-2
0	-1	3	1

Ans =

2.4323 + 2.2437i
2.4323 - 2.2437i
-1.9323 + 1.7651i
-1.9323 - 1.7651i

The system is unstable due to the presence of some positive eigenvalues