

Ibrahim Bala Modul-0 alam
Civil Engineering
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2

1 Command window

2 clear

3 clc

4 a = [-2 -1 3 ; 2 3 0 1 ; 1 0 -4 -2 ; 0 -1 -3 17]

b = [10 ; 3 ; -7]

c = inv(a)

d = eig(c)

(Command window)

c =

0.0267	0.2400	0.4933	0.6667
-0.0963	0.1600	-0.2265	-0.333
-0.1067	0.0400	0.0267	0.333
0.2267	0.0400	-0.3067	-0.333

d =

- 0.2821 + 0.2577i
- 0.2821 - 0.2577i
- 0.2221 + 0.2049i
- 0.2221 - 0.2049i

It is stable system this is because # if was unstable
the matlab command window will notify you;