

1. commandwindow
2. clear
3. clc
4. $a=[1,-2,-1,3;2,3,0,1;1,0,-4,-2;0,-1,3,1]$
5. eig(a)

They are not stable systems are only stable if there is no positive value in its eigenvalues

Command window

a =

```
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
```