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| NAME | OGOMUEGBUNAM FAVOUR CHIDI |
| COLLEGE | ENGINEERING |
| DEPARTMENT | CHEMICAL |
| MATRIC NUMBER | 17/ENG01/021 |
| COURSE | ENG 281 |

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. tani=eig(a)

**COMMAND WINDOW**

a =

1 -2 -1 3

2 3 0 1

1 0 -4 -2

0 -1 3 1

Chidi =

2.4323 + 2.2437i

2.4323 - 2.2437i

-1.9323 + 1.7651i

-1.9323 - 1.7651i

(ii) The eigen values are unstable because they are all not negative values.