

## COMMANDS WRITTEN IN THE MATLAB "mfile"

Commandwindow

Clear

clc

A=[2 3 7 9 4;3 7 9 12 5;4 8 5 6 9;5 9 2 4 5;6 2 3 7 8]

x=det(A)

t=A'

i=A^-1

V=[0 10 4 -2;-3 -17 1 2;1 1 1 0;8 -34 16 -10]

b=[-4;2;6;4]

y=V^-\*b1

## OUTPUTS GIVEN IN THE COMMAND WINDOW

A =

```
2 3 7 9 4
3 7 9 12 5
4 8 5 6 9
5 9 2 4 5
6 2 3 7 8
```

x =

-765.0000

t =

```
2 3 4 5 6
3 7 8 9 2
7 9 5 2 3
```

9 12 6 4 7

4 5 9 5 8

i =

1.8915 -1.4026 -0.3124 0.7843 -0.2078

-0.4379 0.3268 0.0523 -0.0392 -0.0196

2.5725 -1.8392 -0.0863 0.7647 -0.5176

-1.8876 1.4654 0.0105 -0.6078 0.3961

-0.6222 0.3778 0.2444 -0.3333 0.1333

V =

0 10 4 -2

-3 -17 1 2

1 1 1 0

8 -34 16 -10

b =

-4

2

6

4

y =

4.0000

-0.0000

2.0000

6.0000