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MATRIC NO: 16/ENG02/051
DEPT: Computer Engineering
LEVEL: 200

1. commandwindow
2. clc
3. clear
4. 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]
5. temp = det (A)
6. temp = transpose (A)
7. I = inv (A)
8. J = [0,10,4,-2;-3,-17,1,2;1,1,1,0;8,-34,16,-10]
9. K = [4;2;6;4]
10. L = inv (J)*K

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
```

temp =

-765.0000

temp =

```
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
```

J =

```
0 10 4 -2
```

-3 -17 1 2
1 1 1 0
8 -34 16 -10

K =

4
2
6
4

L =

2.5714
0.2857
3.1429
5.7143