

```
1) command window
clear
clc
```

```
2) 1 commandwindow
2 clear
3 clc
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 ujunwa = det(A)
6 fatima = transpose(A)
7 j = inv(A)
```

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
```

ujunwa =

-765.0000

fatima =

```
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

j =

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

3) 1 P = [0 10 4 -2; -3 -17 1 2; 1 1 1 0; 8 -34 16 -10;]
2 D = inv(P)
3 o = [-4; 2; 6; 4]
4 H = D*o

P =

0 10 4 -2
-3 -17 1 2
1 1 1 0
8 -34 16 -10

D =

-0.1786 -0.1020 0.5714 0.0153
0.0357 -0.0153 0.0357 -0.0102
0.1429 0.1173 0.3929 -0.0051
-0.0357 0.1582 0.9643 -0.0612

o =

-4
2
6
4

H =

4.0000
-0.0000
2.0000
6.0000

>> d