```
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;];
G=det(A)
G=transpose(A)
C=inv(A)
A=sym([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;]);inv(A) A=[0,10,4,-2; -3,-17,1,2; 1,1,1,0; 8,-
34,16,-10]; b=[-4;2;6;4];
E=det(A)
C=inv(A)
x=C*b
```

```
G =

 -765.0000


G =

     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


C =

    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


ans =

[  1447/765, -1073/765, -239/765,  40/51, -53/255]
[   -67/153,    50/153,    8/153,  -2/51,   -1/51]
[   656/255,  -469/255,  -22/255,  13/17,  -44/85]
[ -1444/765,  1121/765,    8/765, -31/51, 101/255]
[    -28/45,     17/45,    11/45,   -1/3,    2/15]


E =

       -1568


C =

   -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


x =

    4.0000
   -0.0000
    2.0000
```