

INPUT IN THE EDITOR

QUESTION 1

```
commandwindow  
clear  
clc
```

QUESTION 2

```
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]  
S= det(A)  
D= A'  
F= inv(A)  
G= rats(F)
```

QUESTION 3

```
H= [0 10 4 -2;-3 -17 1 2;1 1 1 0;8 -34 16 -10]  
J= [-4;2;6;4]  
L= inv(H)  
X= L*J
```

OUTPUT IN THE EDITOR

QUESTION 2

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

S =

-765.0000

D =

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

F =

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			

G =

5x70 char array

'	401/212	-108/77	-
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	'
'	-319/169	148/101	'
3/287	-31/51	101/255	'
'	-28/45	17/45	'
11/45	-1/3	2/15	'

QUESTION 3

H =

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

J =

-4
2
6
4

L =

-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
6.0000