Console

A=

10.	1.	0.	0.	0.	- 1.
1.	10.	1.	0.	0.	0.
2.	0.	20.	1.	0.	0.
0.	0.	1.	10.	- 1.	0.
0.	3.	0.	0.	30.	3.
0.	0.	0.	2.	- 2.	20.

B=

5.
10.
10.
0.
0.
5.

A11=

10.	1.
1.	10.

A12=

0.	0.
1.	0.

A13=

0.	- 1.
0.	0.

A21=

2.	0.
0.	0.

A22=

20.	1.
1.	10.

A23=

0.	0.

- 1. 0.

A31=

0. 3.
0. 0.

A32=

0. 0.
0. 2.

A33=

30. 3.
- 2. 20.

B1=

5.
10.

B2=

10.
0.

B3=

0.
5.

Inverse of Matrix A11=

0.1010101 - 0.0101010
- 0.0101010 0.1010101

Inverse of Matrix A22=

0.0502513 - 0.0050251
- 0.0050251 0.1005025

Inverse of Matrix A33=

0.0330033 - 0.0049505
0.0033003 0.0495050

X1=

0.3232323
0.7676768

X2=

0.3760215
- 0.0376022

X3=

- 0.0809059
0.1949176

X1=

0.3470009
0.7505717

X2=

0.3782526
- 0.0450498

X3=

- 0.0803371
0.1975195

X1=

0.3477439
0.7499768

X2=

0.3782205
- 0.0451500

X3=

- 0.0802896
0.1975582

X1=

0.3477630
0.7499656

X2=

0.3782186
- 0.0451480

X3=

- 0.0802884
0.1975586

X1=

0.3477634
0.7499655

X2=

0.3782185
- 0.0451479

X3=

- 0.0802884
0.1975586

X1=

0.3477634
0.7499655

X2=

0.3782185
- 0.0451479

X3=

- 0.0802884
0.1975586

Iteration	x1	x2	x3	x4	x5	x6	
0.	0.	0.	0.	0.	0.	0.	
1.	0.3232323	0.7676768	0.3760215	- 0.0376022	- 0.0809059	0.194917(	
2.	0.3470009	0.7505717	0.3782526	- 0.0450498	- 0.0803371	0.197519!	
3.	0.3477439	0.7499768	0.3782205	- 0.0451500	- 0.0802896	0.197558:	
4.	0.3477630	0.7499656	0.3782186	- 0.0451480	- 0.0802884	0.197558(	
5.	0.3477634	0.7499655	0.3782185	- 0.0451479	- 0.0802884	0.197558(	
6.	0.3477634	0.7499655	0.3782185	- 0.0451479	- 0.0802884	0.197558(	

After 5 iterations exact solution is:
x1=0.347763 x2=0.749965 x3=0.378219 x4=-0.045148 x5=-0.080288 x6
.197559