

./main.out

A

4.000000000	-9.000000000	2.000000000
2.000000000	-4.000000000	4.000000000
-1.000000000	2.000000000	2.000000000

U

4.000000000	-9.000000000	2.000000000
0.000000000	0.500000000	3.000000000
0.000000000	0.000000000	4.000000000

L

1.000000000	0.000000000	0.000000000
0.500000000	1.000000000	0.000000000
-0.250000000	-0.500000000	1.000000000

LU

4.000000000	-9.000000000	2.000000000
2.000000000	-4.000000000	4.000000000
-1.000000000	2.000000000	2.000000000

x

0.750000000	0.250000000	0.625000000
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det(A)

8.000000000