```
The matrix L is
       0.000000
1.000000
                            0.000000
-2.000000
             1.000000
                             0.000000
3.000000
              -0.500000
                             1.000000
he matrix U is
 .000000
        4.000000
                             -3.000000
0.000000
        16.000000 -1.000000
0.000000
          0.000000
                         15.500000
The inverse of M is
       -0.161290
0.145161
                            0.177419
0.116935
              0.064516
                             0.004032
-0.129032
              0.032258
                             0.064516
```