A =

 9 3 14 13

 8 10 15 3

 16 9 5 2

 16 13 14 10

b =

 10

 -3

 2

 -6

x =

 1.5082

 -2.8846

 1.0713

 -0.7629

ans =

 -9245

ans =

 4

ans =

 49

ans =

 41.6398

ans =

 53

ans =

 1.0e+003 \*

 0.0010 -0.0340 -0.2330 1.9510 -9.2450

V =

 0.5067 0.5648 -0.4669 - 0.0085i -0.4669 + 0.0085i

 0.4093 0.3356 0.7156 0.7156

 0.3867 -0.7398 -0.1202 + 0.2539i -0.1202 - 0.2539i

 0.6528 -0.1455 0.1813 - 0.3975i 0.1813 + 0.3975i

D =

 38.8613 0 0 0

 0 -10.9046 0 0

 0 0 3.0216 + 3.5618i 0

 0 0 0 3.0216 - 3.5618i

U =

 -0.4650 -0.6995 0.4096 -0.3559

 -0.4529 -0.0541 -0.8462 -0.2757

 -0.4072 0.7059 0.3284 -0.4774

 -0.6425 0.0970 0.0918 0.7546

S =

 41.6398 0 0 0

 0 11.9216 0 0

 0 0 7.6175 0

 0 0 0 2.4448

V =

 -0.5909 0.5132 0.4779 -0.3989

 -0.4309 0.4173 -0.4048 0.6902

 -0.5844 -0.4796 -0.5292 -0.3853

 -0.3517 -0.5766 0.5725 0.4649

W =

 0.3989 0.4779 -0.5132 0.5909

 -0.6902 -0.4048 -0.4173 0.4309

 0.3853 -0.5292 0.4796 0.5844

 -0.4649 0.5725 0.5766 0.3517

L =

 1.0e+003 \*

 0.0060 0 0 0

 0 0.0580 0 0

 0 0 0.1421 0

 0 0 0 1.7339

Q =

 -0.3511 0.5310 0.7712 0.0041

 -0.3121 -0.7125 0.3513 -0.5211

 -0.6242 0.3518 -0.5240 -0.4604

 -0.6242 -0.2943 -0.0854 0.7186

R =

 -25.6320 -17.9073 -21.4575 -12.9916

 0 -6.1910 -5.6135 2.5269

 0 0 12.2500 9.1769

 0 0 0 4.7558

y =

 1.5082

 -2.8846

 1.0713

 -0.7629

ans =

 4.5776e-016

>>