4 x +5y -6z=1

7x+ 4y+ 9z +t=3

-5x+7y+ z=-1

5 y+ 6z-7t=7

Find solution of the Linear system with Matlab by:

1. Gaussian Elimination (\)
2. LU factorization
3. Find determinant and use inverse to solve system
4. Use the Gauss-Seidel iteration method to solve the system with absolute error 5x10-3