Numerical Methods - HW6

Q1: Gaussian Elimination with Pivoting Result

x1 = -0.901637

x2 = 0.052399

x3 = 0.065248

x4 = -4.073574

Q2: Inverse of Matrix A

0.279693 -0.080460 -0.038314 0.015326

-0.080460 0.379310 -0.057471 0.022989

-0.038314 -0.057471 0.210728 -0.084291

0.015326 0.022989 -0.084291 0.233716

Q3: Crout Factorization Result

x1 = 0.527265

x2 = 0.418205

x3 = 1.218119

x4 = -0.072562