```
% Not reachable! Rank < 3
                     fprintf('Rank of G: %d\n', rank(G))
                    % Reachable subspace:
                    [Q,R] = qr(G);
                    reachable = Q(:,1:2);
                     fprintf('Reachable subspace:\n')
                    disp(reachable)
                     [Q,R] = qr(G');
                    unreachable = Q(:,3);
                    fprintf('Unreachable subspace:\n')
                    disp(unreachable)
                              Rank of A: 3
                              Phi =
\left[0.2927e^{-6.6275l} + 0.2073e^{-0.77254l} + 0.5e^{-4.2l} \quad 0.44407e^{-0.77254l} - 0.44407e^{-6.6275l} \quad 0.2927e^{-6.6275l} + 0.2073e^{-0.77254l} - 0.5e^{-4.2l} \right]
     0.27327e^{-0.77254t} - 0.27327e^{-6.6275t}
                                          0.4146e^{-6.6275t} + 0.5854e^{-0.77254t} 0.27327e^{-0.77254t} - 0.27327e^{-6.6275t}
0.2927e^{-6.6275t} + 0.2073e^{-0.77254t} - 0.5e^{-4.2t} \quad 0.44407e^{-0.77254t} - 0.44407e^{-6.6275t} \quad 0.2927e^{-6.6275t} + 0.2073e^{-0.77254t} + 0.5e^{-4.2t}
                                   0.1492
                                              0.0486
                                                         0.0209
                                   0.0486
                                              0.0338
                                                          0.0189
                                   0.0209
                                             0.0189
                                                          0.0117
                              Rank of G: 3
                              u = 3219.0e^{-6.6275t} + 353.32e^{-0.77254t} - 3094.2e^{-4.2t}
                              3219.0*exp(-6.6275*conj(t)) + 353.32*exp(-0.77254*conj(t)) - 3094.2*exp(-4
                              G =
                                  0.5115
                                           0.6340
                                                        0.5115
                                           0.7902
                                                         0.6340
                                  0.6340
                                  0.5115
                                              0.6340
                                                         0.5115
                              Rank of G: 2
                              Reachable subspace:
                                 -0.5318
                                            0.4661
                                 -0.6591
                                            -0.7521
                                 -0.5318
                                            0.4661
                              Unreachable subspace:
                                 -0.7071
                                 -0.0000
                                  0.7071
```