```
Lab_vaja_2
                                      21 March 2023 13:10
                                                       du structure of process, parameters 2 delays
                                                         use lowest possible order we have 2nd order)
                                                    G(t) = \frac{5 \cdot 2^{-1}}{1 + \alpha_1 z^{-1}} + \frac{7}{1 \cdot 2} = \frac{7(12)}{1(12)}
                                                  y(k) + \alpha_1 y(k-1) = b_1 n(k-2) diference equation
                                                                     k= 1, ... 256
                                                                                                                                                                                                                                                                                                                                           50 rx 6=3
                                                                                                                                                          (Y=y(3:256); (PSI)= [-y(2:and-1) M[1: end-2]);
                                                                       k=3
k=256
                                                                                                                                                                                                                                 pserdoinnerse
                                                                                                                                                                                                                                                                                                                                                                           (th)= PSI/y
                                                                                                                                                                                                                                                                                                                                                                    to boustrut
transfer fundion
                                                                                                     1 -0.12-7
                                                                                                                                                                                                                                                                                                                                                                                   371+0.7°
1.7°-0.17°
                             G=tf([30],[n-0.1],0.1)
                                                                                             m > 6 ) y

fry different orders

for book

adding New Cdvmns
                                           This code is needed for next week
                                      covariance medrix (2x2)
Got parameter (8) Q diag (A)

G(x) = \frac{b_1 z^{-1} + b_2 z^{-2}}{1 + a_1 z^{-1} + a_2 z^{-2}}. \frac{1}{2} \frac{1}
```