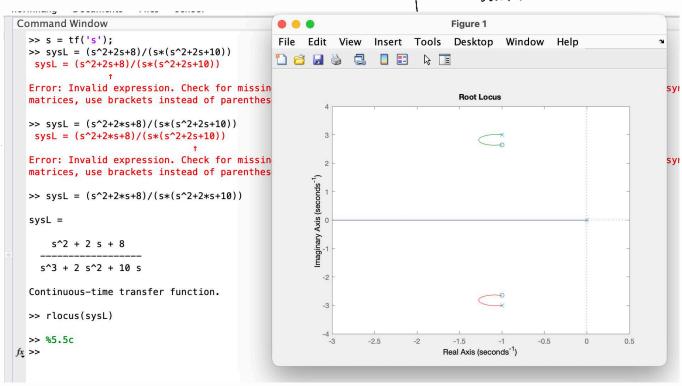
$$d = \frac{f^2}{n - m} = -2$$

$$\theta = -\frac{1}{7}\pi = 180$$

53+234105-1652+265+8K -> 53+ (2+6) 52 (O+26) 5+8K

X= £2;52, +2£;56

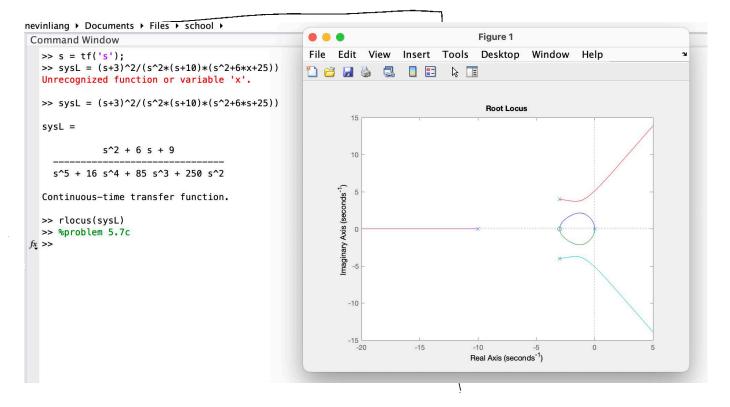


b da -adi -- 0 mother. Sudenva. 54124-0. (ho solutor)

write

```
ers > nevinliang > Documents > Files > school >
     Command Window
                                                                                                  Figure 1
         >> sysL = (s^2+1)/(s*(s^2+4))
                                                             File Edit View Insert Tools Desktop Window Help
                                                             sysL =
                                                                                                    Root Locus
                                                                      2.5
         Continuous-time transfer function.
                                                                      1.5
         >> rlocus(sysL)
                                                                   Imaginary Axis (seconds<sup>-1</sup>)
         >> %5.5(e)
      f_{\frac{x}{\tau}} >>
                                                                      -1.5
                                                                       -2
                                                                                                       -0.8
                                                                                                                    -0.4
                                                                                                                          -0.2
                                                                                                Real Axis (seconds<sup>-1</sup>)
```

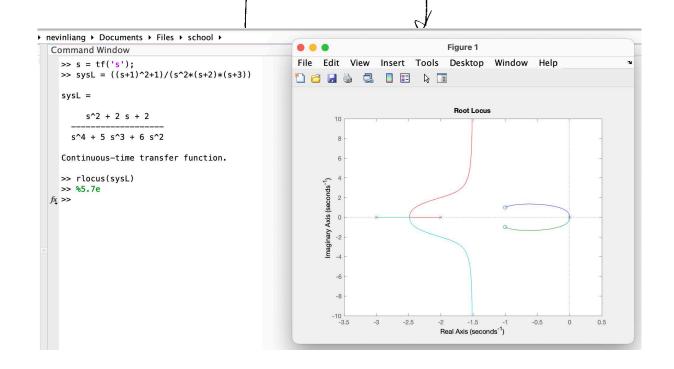
```
5.7 d) Teros: -3,-3
                                     Q = { (300-07-2017190-100-100)
         ples, 0,0,-10, -344;
                                           =-90
         X = \frac{3}{-10+0} = \frac{3}{-10}
                                        d, : 0°
             0 = \frac{2l}{nm} = \frac{7}{3} = \frac{7}{3}
                                       $22 -10+57+17+9290+669 40
    D(s) 2 584 1654 85,74 (25016)57 6K519K
                                       d 3= Same In neelne - 7.2
                  83 616
            16 yrak ak
                                        d 4= 0-72.11-11,1-60- (x)
                                         4,= 1 ( w/w)2
           42-2(401540)=200
                                   bda add reads
            modes
```



P(S)= 5'+144"+5K5"+6K1"

-242

$$\frac{1}{a} \frac{da}{as} = \frac{ds}{as} = \frac{-2.4646}{\text{models}}$$



XOX X

