```
Example 4.9 株态超过
  Q: p(z)=zq-1.2 z3+0.07 z2 +0.52-0.08
                                           ( t)
    Routh stabability Test
  Solution Z= W+1 Stlus
  p(w) = ( w+1 ) 4 - 1.2 ( w+1 ) 3 + 0.07 ( w+1 ) 2 + 0.3 w+1 - 0.08
的作业最高次数的经数_~
  P(W) = W4+14.67 W3+59. 18 W2+81-33 W+21
 Solution Routh away method
    W3 14.67 81.33
    V^{2}? -\frac{1}{14.67}\begin{bmatrix} 1 & 59.78 \\ 14.67 & 8[.33] \end{bmatrix}
                    = 54.25
                    - 1 14.67 Z1.33
54.23 Z1
                     = 75.65
```

$$Z^{4} - |2Z^{3} + 0.07Z^{2} + 0.3Z - 0.08$$

$$Z = \frac{1+\omega}{1-\omega}$$

$$\left(\frac{1+\omega}{1-\omega}\right)^{4} - \frac{1.2}{1-\omega}\left(\frac{1+\omega}{1-\omega}\right)^{2} + 0.07\left(\frac{1+\omega}{1-\omega}\right)^{2} + 0.3\left(\frac{1+\omega}{1-\omega}\right) - 0.0Z$$

$$Z_{1}^{2} \omega^{2} \qquad 14.67 \qquad 14.67 \qquad 21 - \frac{1}{14.67}\left[\frac{1}{14.67}\right] \qquad 21$$