```
t_s = \frac{4}{\epsilon w_n} = 0.5 ; \omega_n = 13.53; T_F = \frac{\omega_n^2}{5^2 + 2\epsilon \omega_n 5 + \omega_n^2}
 0=cos(6) = 53.76° = 54° = 0.3 TL
 t_r = \pi - c = 0.2; t_p = \pi = 0.288

\omega_n \sqrt{1-\epsilon^2} \omega_n \sqrt{1-\epsilon^2}

ess = \infty; ess_{mit} = 1/2 sess_{parabol; c} = \infty : Type 2.
\frac{C(s)}{R(s)} = \frac{1}{s(s+1)} = \frac{1}{s^2 + s + 1} \quad s^2 + s + 1
     Type | ess = 1; essmit = 0; Kramp = 5H ; essrump in = 1; essperatorie
(3) TF= (5+1)(5+4)(5-3) 1/2 zeros (-1,-4,+3) splane (5-2)(5-4) poles (#2,+)
(4) 7 = \frac{K[\frac{(5+2)(5+3)}{5}]}{5} = \frac{1}{15} \frac{1}{(5+2)(5+3)} = \frac{1}{5^3 + 55^2 + 75} + 16
         \frac{1+\frac{\kappa}{5}\left[\frac{1}{(3+2)(5+3)}\right]}{1+\frac{1}{(3+2)(5+3)}} = 5^{3}+55^{2}+75+\kappa=0
```

53 1 7 0 1: 7-K-0 1: K-35 52 5 K 0 51 7-1/3 0 0 1: K-35 5 K 0 0