## 1. Vorkering 20231107

$$\frac{1}{1+sT_1+s^2T_2^2} = \frac{A}{s+a} + \frac{B}{s+b}$$

$$D = \frac{T_1}{2T_2} \cdot \omega_E = \frac{1}{T_2} \cdot \frac{s^1}{1} \cdot U = \frac{Kp. T_2}{T_1}$$

$$S = \frac{-T_1 \pm \sqrt{T_1^2 - 4T_2^2}}{2T_2^2} = ... \rightarrow A_1B_1a_1b_2$$

PT,-4 ked 
$$-\frac{1}{1+T_1s}$$
  $w_{\varepsilon} = \frac{1}{T_1}s^{-1}$ 

$$- | kp = 3 | \frac{1}{5 + 25 + |05^2|}$$

$$-\frac{1}{1+\frac{2}{5}+25^{2}}$$

$$\frac{1}{5+25+105^2} = \frac{1}{5} \cdot \frac{1}{1+\frac{2}{5}5+25^2}$$

$$\frac{1}{5+25+105^{2}} = \frac{1}{5} \cdot \frac{1}{1+\frac{2}{5}5+25^{2}}$$

$$\frac{1}{5+25+105^{2}} = \frac{1}{5} \cdot \frac{1}{15} \cdot \frac{1}{15}$$

$$xe(t)=1$$
 $Q = \frac{105+5}{5^2+105+2}$ 
 $x_0$