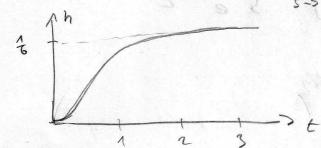
Anfangower:
$$lim h(t) = lim s.h(s)$$
 $t \rightarrow 0$
 $s \rightarrow \infty$



$$H0: h(s) = \frac{1}{s^3 + 3s^2 + 2s}$$

$$h(s) = \frac{R_1 + R_2}{s + s + 1} + \frac{R_3}{s + 3}$$

$$Q_1 = \lim_{s \to 0} s \cdot h(s) = \frac{1}{2}$$

$$R_3 = \lim_{s \to -2} (s+z) h(s) = +\frac{1}{2}$$

$$\Rightarrow h(s) = \frac{1}{2s} - \frac{1}{5+1} + \frac{1}{2} \frac{1}{5+2}$$

$$h(t) = \frac{1}{2} - e^{-t} + \frac{1}{2}e^{-2t}$$

An hongo wert: lim h(t) = lim s. h(s) = lim
$$\frac{1}{(s+1)(s+2)} = 0$$

6nd nort $\lim_{t\to\infty} h(t) = \lim_{s\to\infty} s.h(s) = \lim_{t\to\infty} \frac{1}{(s+1)(s+2)} = \frac{1}{2}$