

Q28-28

data

S T Q Q S S D

$$L \frac{di}{dt} + R \cdot i = 0$$

$$L = 1 \text{ H}$$

$$R = 1,5 \Omega$$

$$i(0) = 0,5 \text{ A}$$

$$y' + 1,5y = 0$$

$$\frac{y'}{y} = -1,5$$

$$\ln(y) = -1,5t + C_1$$

$$y = e^{-1,5t + C_1}$$

$$y(0) = 0,5 = C_1 //$$

$$y = 0,5 \cdot e^{-1,5t} //$$

$$y' = -1,5y$$