



Lösung:

$$T = \frac{1}{6s} \left[\int_{4s}^{5s} 2 \text{ mA } dt + \int_{5s}^{6s} (-8 \text{ mA}) dt + \int_{6s}^{7s} 8 \text{ mA } dt + \int_{7s}^{8s} (-2 \text{ mA}) dt + \int_{8s}^{10s} (-6 \text{ mA}) dt \right]$$

$$T = \underline{\underline{\frac{1}{6s} \cdot (-12 \text{ mA} \cdot s) = -2 \text{ mA}}}$$

$$i(t) = i_{in}(t) + \bar{i}$$

$$i(t) = i_{in}(t) + 2 \text{ mA}$$