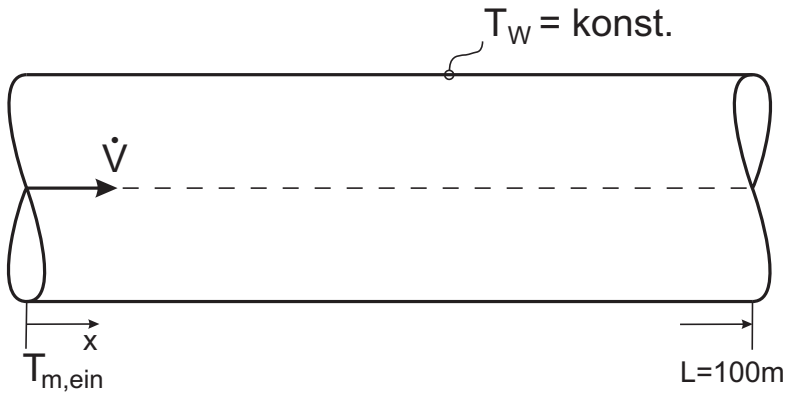
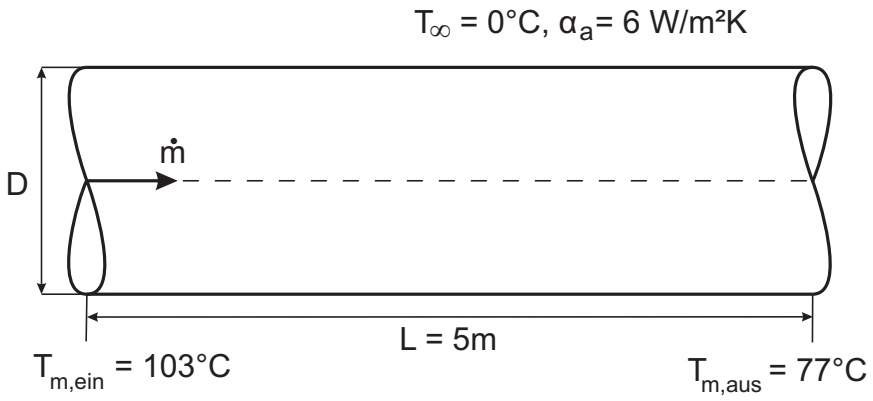
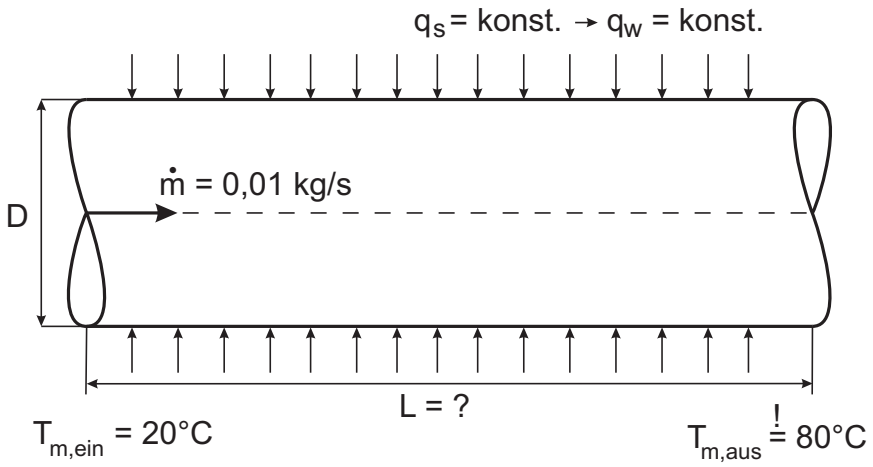

T_W = konst.
$\dot{V}$
x
$T_{m,ein}$
L=100m


T_∞ = 0°C, α_a= 6 W/m²K
$\dot{m}$
D
L = 5m
$T_{m,ein}$ = 103°C
$T_{m,aus}$ = 77°C


q_s = konst. → q_w = konst.
$\dot{m}$ = 0,01 kg/s
D
L = ?
$T_{m,ein}$ = 20°C
$T_{m,aus} \overset{!}{=}$ 80°C