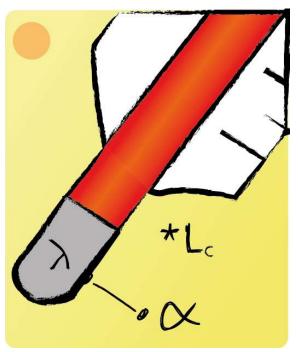


## Lecture 15 - Question 3



Check whether the lumped capacity model is applicable for the described situation. Take  $\alpha=78.75$  W/m²K, L=1.25 mm  $\lambda=10$  W/mK.



$$Bi = \frac{\alpha \cdot L_C}{\lambda} = 0.0098 \ W/m^2 K$$

The lumped capacity model is applicable, since Bi  $\ll 1.$