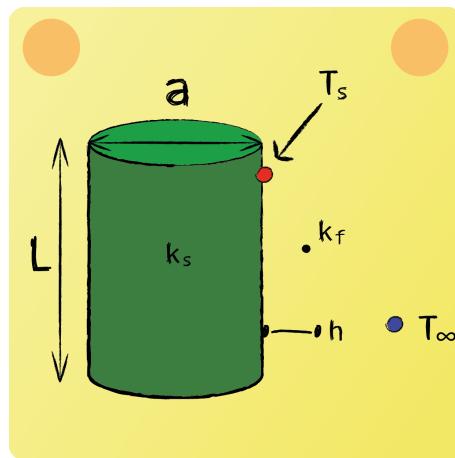


# Lecture 04 - Nusselt 10

Give an expression for the Nusselt number  $\text{Nu}$ , in terms of the given variables.



Nusselt number:

$$\text{Nu} = \frac{hL_c}{k_{\text{fluid}}}$$

Characteristic length for the sketched situation:

$$L_c = L$$

So:

$$\text{Nu} = \frac{hL}{k_f}$$