Lecture 03 - Nusselt 04
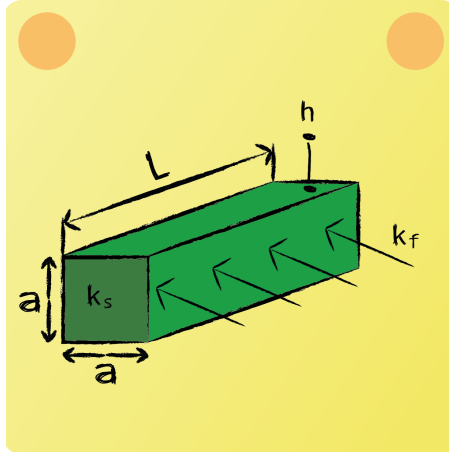
Give an expression for the Nusselt number Nu, in terms of the given variables.

Nusselt number:

$$\mathrm{Nu} = \frac{hL_\mathrm{c}}{k_\mathrm{fluid}}$$

Characteristic length for the sketched situation:

$$L_\mathrm{c} = a$$

So:

$$\mathrm{Nu} = \frac{ha}{k_\mathrm{f}}$$