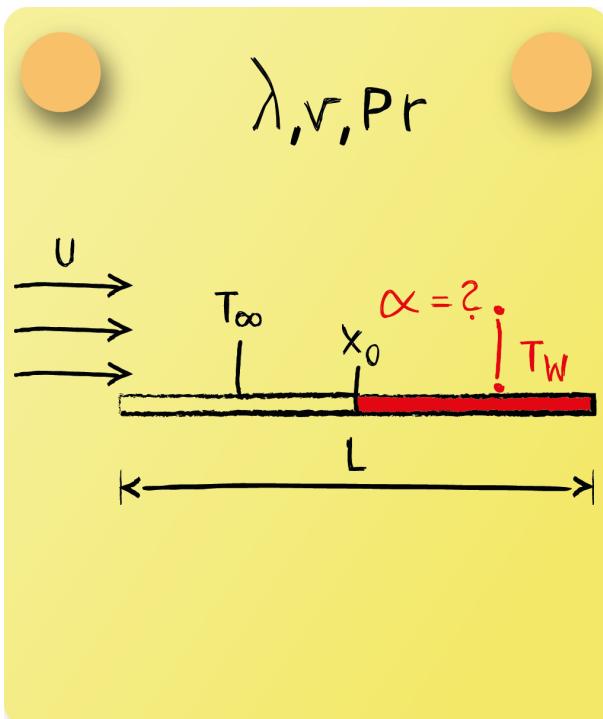




Heat Transfer Correlation: Task 3



1 HTC.4: $\overline{Nu_L} = 0.664 Re_L^{1/2} Pr^{1/3} [1 - (\frac{x_0}{L})^{3/4}]^{2/3} / [1 - \frac{x_0}{L}]$

2 $Re_L = 3.1:2402.7 \quad | 3.2:15197.6 \quad | 3.3:33783.8 \quad | 3.4:1849.1$
| 3.5:65146.6

3 $\overline{Nu_L} = 3.1:35.64 \quad | 3.2:146.14 \quad | 3.3:259.7 \quad | 3.4:28.01$
| 3.5:166.01

4 $\bar{\alpha} = 3.1:0.179 \quad | 3.2:92.21 \quad | 3.3:16.00 \quad | 3.4:0.271 \quad | 3.5:0.85$