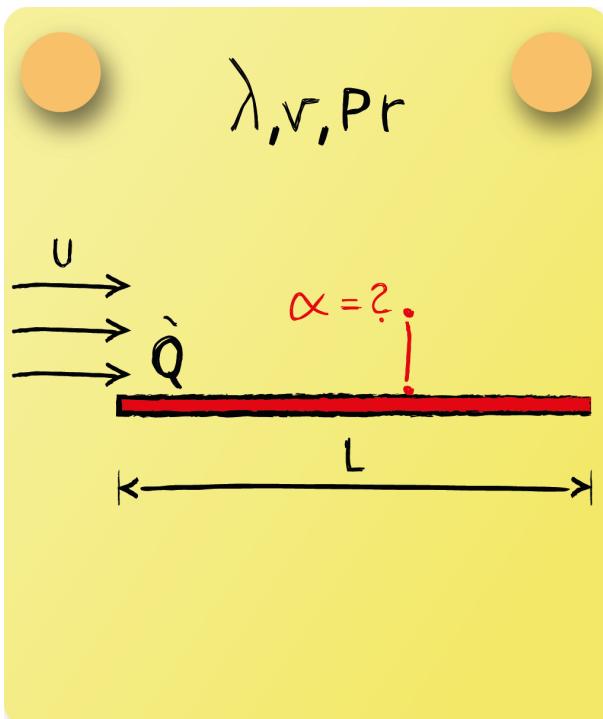




## Heat Transfer Correlation: Task 2



The image describes a fluid which streams with velocity  $u$  over a plate with length  $L$ . A laminar boundary layer is formed on the plate.

- 1 HTC.2:  $\overline{Nu_L} = 0.664 Re_L^{1/2} Pr^{1/3}$
- 2  $Re_L = 2.1:65146.6 \quad | 2.2:2402.7 \quad | 2.3:15197.6 \quad | 2.4:33783.8$   
| 2.5:1849.1
- 3  $\overline{Nu_L} = 2.1:151.53 \quad | 2.2:32.54 \quad | 2.3:133.398 \quad | 2.4:237.08$   
| 2.5:25.57
- 4  $\overline{\alpha} = 2.1:0.78 \quad | 2.2:0.163 \quad | 2.3:84.17 \quad | 2.4:14.60 \quad | 2.5:0.247$