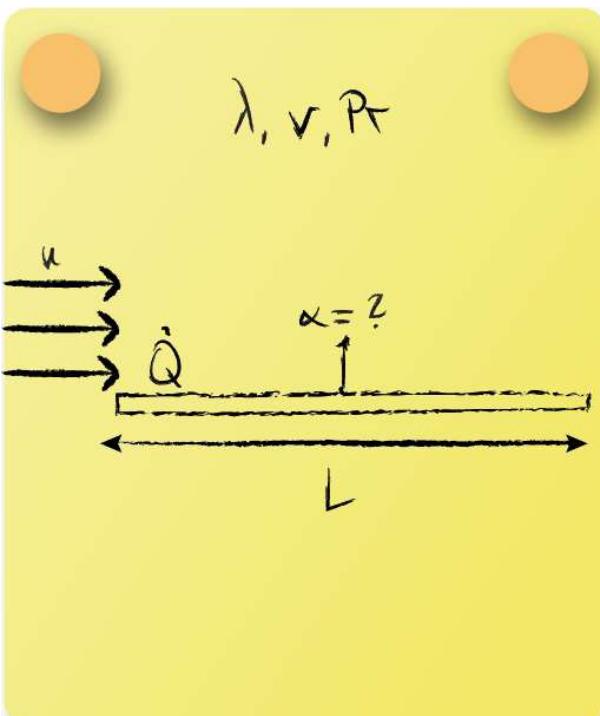




# Heat Transfer Correlation: Task 2



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  $Re_L = 2.1:65146,6 \mid 2.2:2402,7 \mid 2.3:15197,6 \mid 2.4:33783,8$   
| 2.5:1849,1
- 3  $\overline{Nu_L} = 2.1:151,53 \mid 2.2:32,54 \mid 2.3:133,398 \mid 2.4:237,08$   
| 2.5:25,57
- 4  $\overline{\alpha} = 2.1:0,78 \mid 2.2:0,163 \mid 2.3:84,17 \mid 2.4:14,60 \mid 2.5:0,247$