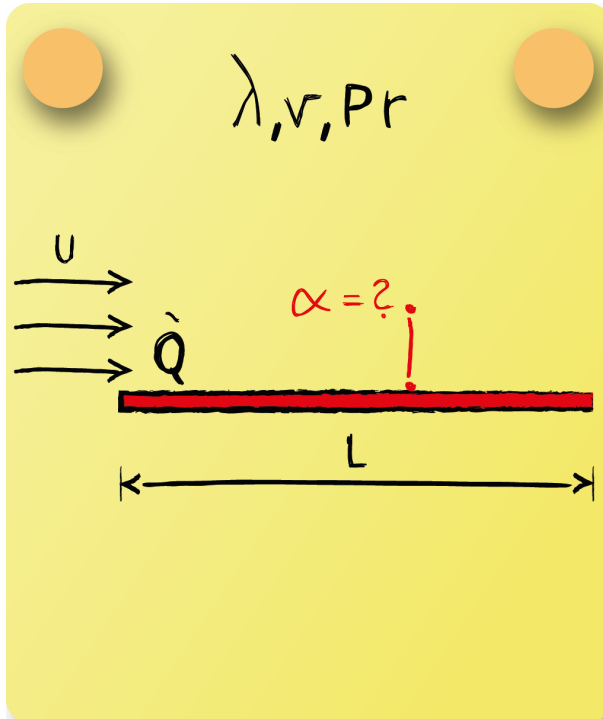




# Heat Transfer Correlation: Task 2



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 | 2.2:2402.7 | 2.3:15197.6 | 2.4:33783.8  
| 2.5:1849.1

3



$\overline{Nu}_L =$  2.1:151.53 | 2.2:32.54 | 2.3:133.398 | 2.4:237.08  
| 2.5:25.57

4



$\overline{\alpha} =$  2.1:0.78 | 2.2:0.163 | 2.3:84.17 | 2.4:14.60 | 2.5:0.247