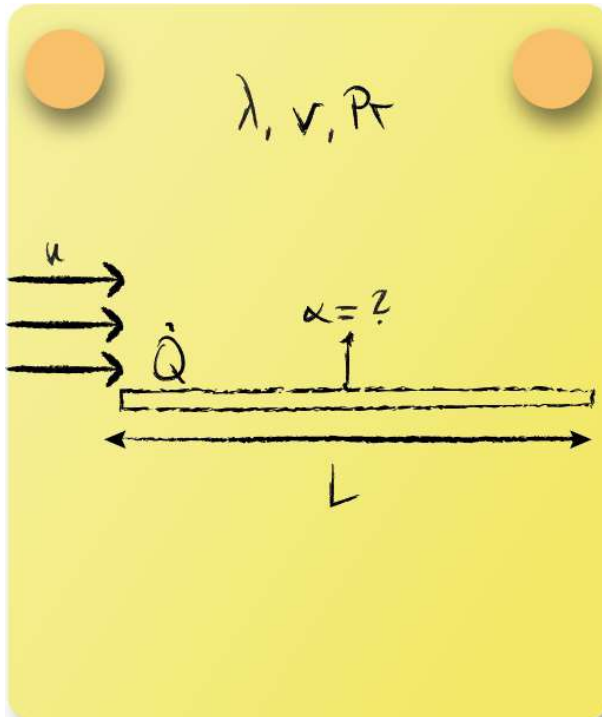




Heat Transfer Correlation: Task 2



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