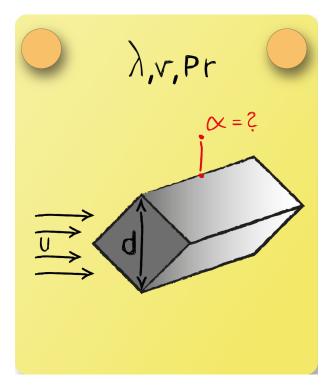


## Heat Transfer Correlation: Task 6



The image describes a square bar which is flowed transversely on one edge by a fluid with velocity u.



HTC.9a:  $\overline{Nu_d}=\frac{\overline{\alpha}d}{\lambda}=C\cdot Re_d^mPr^{0.4}$  with C=0.246. m=0.588 and  $Re_d=\frac{ud}{\nu}$ 



Results:  $Re_d = 6666.67 \ \overline{Nu_d} = 38.01 \ \overline{\alpha} = 1.98$