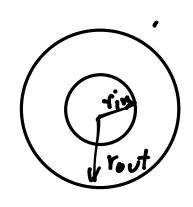
$$\frac{d^2T}{dr^2} + \frac{1}{r}\frac{dT}{dr} - \frac{2h}{kt}(T - T_{\infty}) = 0$$

$$\Gamma = \Gamma_{\text{in}} \qquad \Gamma = T_{\text{b}}$$

$$\Gamma = V_{\text{out}} \qquad - \kappa \frac{dT}{dr} = h(T - T_{\infty})$$



$$i=0 \quad T_{i}=T_{b} \quad A_{i,i}=1 \quad B_{i}=T_{b}$$

$$i=n-1 \quad -\kappa \left(\frac{T_{i}-T_{i-1}}{dr}\right)=h\left(T_{i}-T_{\infty}\right)$$

. . . .

