$T_{0,0} \qquad T_{0,1} \qquad T_{0,2} \qquad \cdots \qquad T_{0,\kappa}$ $T_{1,0} \rightarrow T_{1,1} \qquad T_{1,2} \qquad \cdots \qquad T_{1,\kappa}$ $T_{2,0} \qquad T_{2,1} \rightarrow T_{2,2} \qquad \cdots \qquad T_{2,\kappa}$ $T_{3,0} \qquad T_{3,1} \qquad T_{3,2} \rightarrow \cdots \qquad T_{3,\kappa}$ $\vdots \qquad \vdots \qquad \vdots \qquad \vdots$ $T_{\nu,0} \qquad T_{\nu,1} \qquad T_{\nu,2} \qquad \cdots \qquad T_{\nu,\kappa}$

$$T_{n,k+1} = a \cdot \frac{\Delta t}{\Delta x^2} \cdot (T_{n+1,k} - 2 \cdot T_{n,k} + T_{n-1,k}) + T_{n,k} - \frac{2 \cdot \alpha \cdot \Delta t}{c \cdot \rho \cdot r} \cdot (T_{n,k} - T_{umg})$$