Six unique nodes:

$$k\left(\Delta_{\times}\right) \frac{T_{i-1}j - T_{ij}}{\Delta \gamma} + k \frac{(\Delta_{\times}) T_{i+1}j - T_{ij}}{\Delta \gamma} + k(\Delta_{\gamma}) \frac{T_{i}j - (-T_{ij})}{\Delta \times} + k(\Delta_{\gamma}) \frac{T_{i}j + (-T_{ij})}{\Delta \times} = 0$$

$$\left(\Delta \times / \Delta \gamma \right) \top_{i-1} j + \left(\Delta \times / \Delta \gamma \right) \top_{i+1} j + \left(\Delta \gamma / \Delta \times \right) \top_{i} j - i + \left(\Delta \gamma / \Delta \times \right) \top_{i} j + i - \left(2 \right) \left(\frac{\Delta \times}{\Delta \gamma} + \frac{\Delta \gamma}{\Delta \times} \right) \top_{i} j = 0$$

Top convection:

$$ij$$
-1 $\rightarrow ij \leftarrow ij$ +1

 \uparrow
 i +1 j

$$k(4\frac{y}{2}) \frac{Tij-1-Tij}{\Delta x} + k(\frac{\Delta y}{2}) \frac{Tij+1-Tij}{\Delta x} + k(\Delta x) \frac{Ti+1j-Tij}{\Delta y} + hAx(T\infty-Tij) = 0$$

$$(0.5) (\Delta y/\Delta x) T_{ij-1} + (0.5) (\Delta y/\Delta x) T_{ij+1} + (\Delta x/\Delta y) T_{i+ij} - (\frac{\Delta y}{\Delta x} + \frac{\Delta x}{\Delta y} + \frac{\Delta x}{k}) T_{ij} = -\frac{h}{k} \Delta x T_{\infty}$$

tom convection:
$$ij-1 \longrightarrow ij \leftarrow ij+1$$

$$k, T =$$

$$(0.5)(\Delta y/\Delta x)Tij-1 + (0.5)(\Delta y/\Delta x)Tij+1 + (\Delta x+\Delta y)Ti-ij - (\frac{\Delta Y}{\Delta x} + \frac{\Delta x}{\Delta y} + \frac{h\Delta x}{k})Tij = -\frac{h\Delta x}{k}T_{\infty} \times$$

$$k\left(\frac{4x}{2}\right)^{\frac{1}{1+1}} + k\left(\frac{4y}{2}\right)^{\frac{1}{1}} + k\left(\frac{4y}{2}\right)^$$

$$\left(\frac{4x}{Ay}\right)T_{i+ij} + \left(\frac{Ay}{Ax}\right)T_{ij+i} + - \left(\frac{Ax}{Ay} + \frac{Ay}{Ax} + \frac{hAx}{k} + \frac{hAy}{k}\right)T_{ij} = - \left(\frac{hAx}{k} + \frac{hAy}{k}\right)T_{i0}$$

Bottom left corner:

$$\left(\Delta \times / \Delta y\right) T_{i \to j} + \left(\Delta y / \Delta x\right) T_{ij \to i} - \left(\frac{\Delta x}{\Delta y} + \frac{\Delta y}{\Delta x} + \frac{\Delta x}{\kappa} + \frac{\lambda \Delta y}{\kappa}\right) T_{ij} = -\left(\frac{k \Delta x}{\kappa} + \frac{k \Delta y}{\kappa}\right) T_{\infty} \\ *$$

$$h_{j,T_{\infty}} \leftarrow \begin{array}{c} i^{-1j} \\ \vdots \\ i^{+1} \\ i^{+1} \end{array} \rightarrow ij + 1$$

$$k\left(\frac{\Delta X/2}{\Delta y}\right) \frac{T_{i-1}j-T_{ij}}{\Delta y} + k\left(\frac{\Delta X/2}{\Delta y}\right) \frac{T_{i+1}j-T_{ij}}{\Delta y} + k\left(\frac{\Delta Y}{\Delta x}\right) \frac{T_{ij+1}-T_{ij}}{\Delta x} + k\left(\frac{\Delta Y}{\Delta y}\right) \left(T_{\infty}-T_{ij}\right) = 0$$