Temos o problema de contorno definido por, para $(x,y) \in (0,1)^2$,

$$-\nabla(\kappa\nabla T) = 0; \tag{1}$$

$$T(x,0) = T(x,1) = a;$$
 (2)

$$T(0,y) = b; -\kappa \frac{\partial T}{\partial x}(1,y) = h(T - T_{\text{out}}).$$
 (3)

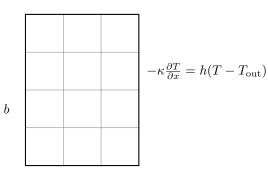
Consider the boundary conditions:

$$T(x, 1) = a$$

$$T(0, y) = b$$

$$-\kappa \frac{\partial T}{\partial x}(1, y) = h(T - T_{\text{out}})$$

a



a

