**Solve:**

**ut = k1 uxx + k2 uyy**

**on a rectangle (0<x<L, 0<y<H) Subject to**

**u(0 , y, t) = 0 uy = (x, 0, t) = 0**

**u(x, y, 0) = f(x,y)**

**u(L, y, t) = 0 uy = (x, H, t) = 0**

**Left and Right sides are kept at zero temp top and bottom are insulated**