

$$(2) \quad i = \frac{20}{7}, 21, 22, 23, 24$$

$$V_{i} = \frac{1}{2}$$

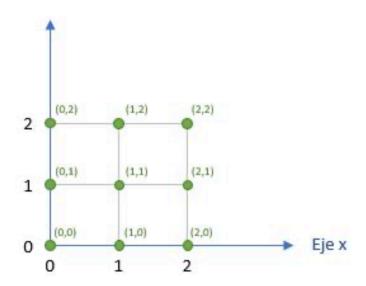
$$(3) \quad 7 = 15, 10, 5, 0, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{4}{14}, \frac{19}{19}$$

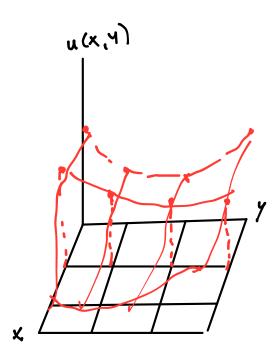
$$U_{i} = 0$$

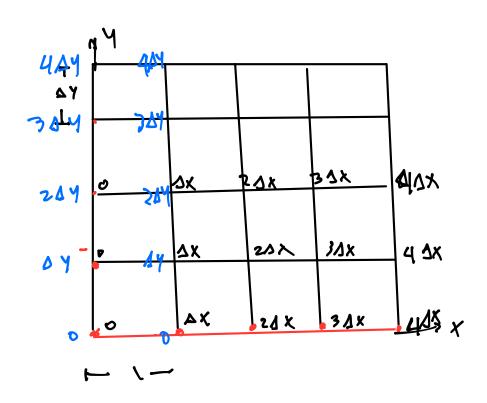
$$i=0$$
 $U_0=0$
 $i=1$ $U_1=0$
 $i=2$ $U_2=0$

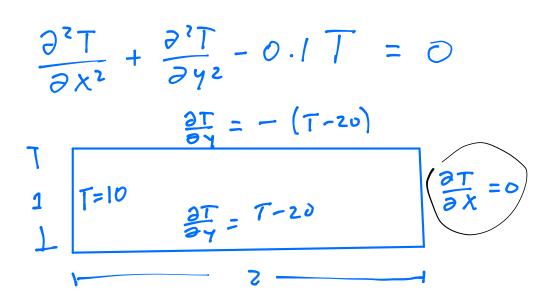
$$\frac{i=6}{\Delta x^{2}} \rightarrow \frac{U_{i-1}^{2}-2U_{i}^{2}+U_{i+1}}{\Delta x^{2}} + \frac{U_{i-5}^{2}-2U_{i}^{2}+U_{i+5}^{2}}{\Delta y^{2}} = 0$$

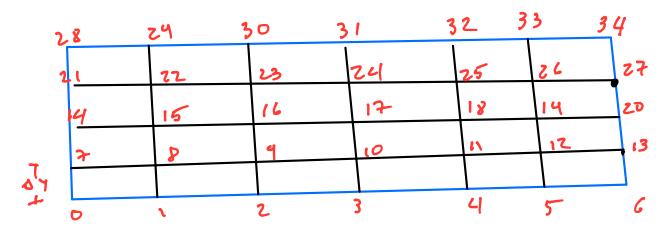
$$\frac{U_{5}^{1}-2U_{5}^{2}+U_{7}^{2}}{\Delta x^{2}} + \frac{U_{1}^{2}-2U_{6}^{2}+U_{1}^{2}}{\Delta y^{2}} = 0$$











$$\Delta \chi = \frac{2}{6} \qquad \Delta \chi = \frac{\Delta}{4}$$

$$\frac{\partial^2 T}{\partial x^2} + \frac{\partial^2 T}{\partial y^2} - 0.1 T = 0$$

$$\frac{T_{i+1}-2T_{i}+T_{i-1}}{0\times^{2}}+\frac{T_{i+7}-2T_{i}+T_{i-7}}{37^{2}}-0.1T_{i}=0$$

$$L2 = 0, 7, 14, 21, 28$$

 $T_{i} = 10$

$$i-\frac{1}{24} = -(7-20)$$

$$i-\frac{1}{24} = -(7-20)$$

$$\frac{\partial T}{\partial y} = -(1-20)$$

$$\frac{T_{i}-T_{i-1}}{Ax}=-\left(T_{i}-20\right)$$

$$\frac{\partial T}{\partial Y} = T^{-20}$$

$$\frac{T_{i+3}-T_{i}}{\Delta y}=T_{i}-20$$

$$\frac{\partial x}{\partial x} = 0$$

$$\begin{vmatrix}
i-1 \\
i-1
\end{vmatrix}$$

$$\frac{\partial T}{\partial x} = 0$$

$$T; -T; -T; -1$$

$$\frac{\partial X}{\partial x} = 0$$