\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7
$\left[\frac{9^{x}}{9^{x}} + \frac{9^{x}}{9^{x}} - 1K\left(n\frac{9x}{91} + A\frac{9^{x}}{91}\right) = 0\right]$	
1K= <u>PCpar</u> V	
E=0,01	
$\Delta_{x} = \Delta_{y} = 0.375; \lambda = 1.85$	37=0
UND = TO = TiviT-iviT = To a DCD	. 0 9
V<0 = 007 = Tivit - Tivi	
· Ponto interno	
V>O Time = IK. DX (uTi-1,i+vTw-1)+Ti+1,i+Ti+,i+Ti,i+Ti,i+Ti,i+Ti,i+Ti,i+T	j-1 -
1K Δx (u+v) +4	
V/O	
Tij = IK. Dx (uTi-1); -V Tijin) + Ti+1); +Ti-1,; +Tijin+	1035-1
IKAX(u-v)+4	
1 t	
Limite esquerdo	
T= Tfora => Tin = 20°C	
Limite superior	
Tij = Ti+1, + Ti-1, 5 + 2 Tuj-1 + IK u Dx Ti-vi	
IK. Dx. u +4	
Limite direito	
V>0	
Tisi = 2 Ti-vi + Tisi+1 Tisi-1 + IK DXV Tisi+	
IK DXV +4	
VKO	
Ti, = 2 Ti-1, + Ti,++ + Ti, -1 - 1K DX V Ti,++	
-IKDXV+4	

Dy = O

T=40°C

O= T6 XAB =O

Limite inferior Tis = Tits + Tim + 2 Tinit + Ku dx Timi IKAxu +4 Canto esquerdo superior This = Tfora = 20°C [Canto esquerdo inferior This = Thora= 20°C Canto direito superior Tisi = Ti-lii+ Tisi-1 Canto direito inferior Tisi = Ti-1si + Tisi+1 α=21-1 Δy-132-(jΔx-18)2 $b = |18 - j\Delta x| - 3 cor (arczen(\frac{21 - i\Delta y}{3}))$ | Borda esquerda/ $\frac{\sqrt{20}}{T_{ij}} = \frac{80}{b(b+1)} + \frac{2}{b+1} + \frac{7}{100+1} + \frac{7}{100+1} + \frac{1}{100-1} + \frac{1}{100-1} + \frac{1}{100-1}$ 2+2+ IKAX (utv) Tin= 80 + 2 Ti-113 + Tin+1 + Tin-1 + 1K (u Ti-1)i - v Tin+1) 2+2+KDx(u-v)

Scanned by TapScanner

Borda direita Tij = 80 + 2 Titij + Tij+ Tij-1+1K Ax (u Ti-bj+ V Tij-1) 2+2+1K Dx (utv) Tin = 80 + 2 Titli + Tinit + Tinit + Tinit + 1K DX (u Ti-1) - V Tinit) = +2+ (K Dx(u-v) Telhado esquerdo Tij = 80 + 80 + 2 Ti-1ij + 2 Tisi+1 + 1K Dx(nTi-1ij + vTij-1) Z+2+IKAx(utv) $\frac{V(0)}{T_{i,j}} = \frac{80}{h(h+1)} + \frac{80}{a(a+1)} + \frac{2T_{i-1,j}}{b+1} + \frac{2T_{i,j+1}}{a+1} + ||K\Delta\chi(uT_{i-1,j} - VT_{i,j+1})||$ 2 + 2 + 1K (n-V) Telhado direitol V>0 Tij = 80 + 80 + 2 Titij + 2 Tijt + 1KAx(uTi-ij + V Tuj-1) h(ht)) + a(atl) + bt | cut1 + 1KAx(uTi-ij + V Tuj-1) 2+2+1K Dx(utv)

$$\frac{\sqrt{20}}{\sqrt{1000}} = \frac{80}{\sqrt{1000}} + \frac{80}{\sqrt{1000}} + \frac{\sqrt{1000}}{\sqrt{1000}} + \frac{\sqrt{10000}}{\sqrt{1000}} + \frac{\sqrt{10000}}{\sqrt{1000}} + \frac{\sqrt{1000}}{\sqrt{1000}} + \frac{\sqrt{1000}}{\sqrt{1000}} + \frac{\sqrt{1000$$

Telhado superior

V>0

Ti, = 80

a(at1) + 2 Ti, it + Ti-1, thing + 1K Dx (u Ti-1, t v Ti, it)

2 + 2 + 1K Dx (utv)

V<0

Ti, = 80

a(at1) + 2 Ti, it + Ti-1, thing + 1K Dx (u Ti-1, -v Ti, it)

at1 + Ti-1, thing + 1K Dx (u Ti-1, -v Ti, it)

at2 + 2 + 1K Dx (u-v)