$$c_{N} = 1, t = 1.$$

$$2u_0 - 5u_1 + 2u_2 = -0 + 5y - 72 = -18 - 2$$

$$2u_1 - 3u_2 + 108 = -36 + 108 - 108 = -36$$

Assembling the eggs,

$$4u_1 - 9u_0 = -72 - 0$$

$$2u_0 - 5u_1 + 2u_2 = -18 - 2$$

$$2u_1 - 5u_2 = -144 - 3$$

· Solving the above system of linear egus,

$$u_{p} = 20.295$$

$$u(x) = t = 1 u$$

$$u(\mathbf{0,1}) = 20.295, u(\mathbf{1,1}) = 27.664, u(2,1) = 39.866$$

$$u(3,1) = 54$$

Also, the imaginary value U-1 = -12.926

$$\frac{\partial u}{\partial x^2} + \frac{\partial u}{\partial y^2} = u$$

$$\Rightarrow n_{i,j} = \frac{1}{5} \left[u_{i+j} + u_{i+j} + u_{i,j+1} + u_{i,j+1} \right]$$

$$x = \frac{1}{5} \left(400 + 2(101.41) + 7 \right)$$

$$Z = \frac{\int}{S} \left(2x + 2y \right)$$

$$y = \frac{1}{5} \left(7 + 2 \left(101.41 \right) + 200 \right)$$

Remarging the eggs,

$$5x - 7 = 618.82 - 0$$

$$2x + 2y - 5z = 0 - 2$$

$$5y - 7 = 418.82 - 3$$

Solving for 794, I

$$-0$$

$$u(1,2) = y = 103.529$$

$$-0$$

$$u(2,1) = x = 143.529$$

$$u(2,2) = 1 = 98.823$$

$$u(2,2) = x = 143.529$$

Scanned with CamScanner

(3)

$$\frac{3^2u}{3x^2} - (2x+y)^2 \frac{3^2u}{3y^2} = 0$$
; $u(x,0) = 2+5x^2$, $u_y(x,0) = 6x$

Quen: $P(0.2,0) = a(0.3,0)$
 $P = \frac{3u}{3x} = 10x$, $P = \frac{3u}{3y} = 6x$

Comparing with a $u_{xx} + bu_{xy} + cu_{yy} + cu_{yy} + cu_{yy} = 6x$
 $a = 1$, $b = 0$, $c = -(2x+y)^2$, $e = 0$
 $a = 1$, $b = 0$, $c = -(2x+y)^2 = 0$
 $a = 1$, $a = 1$, $a = 0$
 $a = 1$, $a = 1$, $a = 0$
 $a = 1$, $a = 1$,

$$a_{p}f_{p}(P_{R}-P_{p})+c_{p}(q_{R}-q_{p})+e_{p}(q_{R}-q_{p})=0$$

and

Therefore,

$$u_{R} = u_{p} + \frac{1}{2} \left(p_{R} + p_{p} \right) \left(n_{R} - n_{p} \right) + \frac{1}{2} \left(n_{R} + n_{p} \right) \left(n_{R} - n_{p} \right)$$

$$= 2.2 + 1 \left(2.544 + 2\right) \left(0.26 - 0.2\right) + 1 \left(2.56 + 1.2\right) \left(0.024 - 0\right)$$