P6 CASEZ :- Backdate non Greanties step polution (cg1 > egz) Ut: LHS: U (ot) RHS: U" 12 uxx: 645: OV / Ui - 2u; + Ui+1) 2VVX UX: U+S: -2V/Vi -Vi) (e-U:-1 -uy: UHS: V(ui) u2: LHS: Oui (unt) 10: Ruts: 10.

V_t: Uts: V (\(\frac{1}{\Dt}\)) Rus: V'(\(\frac{1}{\Dt}\)) u Vxx: UHS Que (V1 - 2 Vi+ Vin) Zuu, Vx: UAS: () Zu/u-ui-1/V-Vi-1 Uxx: PHS: U1-241+41-1 UN: LAS: -UV -V2: UAS: V V

1/2 - (vu) ingt xu Uin-ui + pm(u,vi)=1/2 @ x=1 10 12 (-1 i it 1 n-1 n nH 3-1+1; [a, nx+2] A+ i=N MH - MM + Din (MM /N) = 1/2 UNH - UN = DX/2 - Dx pin (UNVN) A LITS! VNHI - UN = DX 000 (UNVN) + DX &- CAS.

$$\frac{g_{1} = -u_{1} + b^{2}u_{2}x + 2vv_{2}u_{2} - u_{1}v_{1}^{2} + 10}{g_{1}^{2} - u_{1}^{2} + b^{2}u_{2}x + 2vv_{2}u_{2} - u_{1}v_{1}^{2} + 10}$$

$$\frac{g_{1} = -u_{1}^{2} + b^{2}u_{2}x + 2v(u_{1}) + 2v(v_{1})(u_{1}u_{1})}{h^{2}} + 2v(v_{1}v_{1})(u_{1}u_{1})$$

$$-u_{1}v_{1} + u^{2} + 10$$

$$\frac{g_{1}u_{1}}{h^{2}} = \frac{b^{2}}{h^{2}} + \frac{2v(v_{1}-v_{1})}{h^{2}} + \frac{1}{h^{2}}$$

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$$\frac{g_{1}u_{1}}{h^{2}} = \frac{v_{1}}{h^{2}} + \frac{2v^{2}}{h^{2}} + \frac{2v^{2}v_{1}}{h^{2}} - v_{1} + 2u$$

$$\frac{g_{1}u_{1}}{h^{2}} = \frac{v_{1}}{h^{2}} + \frac{v_{1}u_{1}}{h^{2}} + \frac{v_{2}u_{1}}{h^{2}}$$

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$$\frac{g_{1}u_{1}}{h^{2}} = \frac{v_{1}u_{1}}{h^{2}} + \frac{v_{1}u_{1}}{h^{2}} + \frac{v_{1}u_{1}}{h^{2}}$$

$$\frac{g_{1}u_{1}}{h^{2}} = \frac{v_{1}u_{1}}{h^{2}} + \frac{v_{1}u_{1}}{h^{2}} + \frac{v_{1}u_{1}}{h^{2}}$$

$$\frac{g_{1}u_{1}}{h^{2}} = \frac{v_{1}u_{1}}{h^{2}} + \frac{v_{1}u_{1}}{h^{2}} + \frac{v_{1}u_{1}}{h^{2}}$$

$$\frac{g_{1}u_{1}}{h^{2}} = \frac{v_{1}u_{1}}{h^{2}}$$

$$\frac{g_{1}u_{1}$$

$$\begin{cases} 2 = -i\lambda_{1} + u^{2}i_{xx} + 2uu_{x}i_{x} + u_{xy} + uv - y^{2} \\ \delta_{z} = -V - y^{2} + u^{2}(y_{i+1} - 2v + v_{i+1}) + 2u(u - u_{i+1})(x - x_{i+1}) + \frac{2u(u - u_{i+1})(x - x_{i+1})}{R} + \frac{2u(u - u_{i+1})(x - x_{i+1})(x - x_{i+1})(x - x_{i+1})}{R} + \frac{2u(u - u_{i+1})(x - x_{i+1})(x - x_{i+1})(x - x_{i+1})}{R} + \frac{2u(u - u_{i+1})(x - x_{i+1})(x - x_{i+1})(x - x_{i+1})}{R} + \frac{2u(u - u_{i+1})(x - x_{i+1})(x - x_{i+1})(x - x_{i+1})}{R} + \frac{2u(u - u_{i+1})(x - x_{i+1})(x - x_{i+1})(x - x_{i+1})(x - x_{i+1})}{R} + \frac{2u(u - u_{i+1})(x - x_{i+1})(x - x_{$$

Beendony conditions 8= UN-UN-1 + Din(UN VN)-1/2 OFBE = 1 + VN COS (UNVN) ofer = UN COS(CNUP) UVS

Newton Folver R(x*) -> 0 K(rk) d = R(rk) < 2 = 1 + 8 K+1 X= [Sp] -> free

Sp -> presurbered. Sp = Sp K- KP KP KFF KPP [JF] - RF] solve frat line: KFF & F = RF - KFP & BC: lucome honogracions (solving for S)