94e 1

	h N X			4
<b>N</b> Y	7	8	, 9	
φ=0]	4	5	6	i j
52 I 02]	i	2	3	
	1 10 0 X	$\phi = 1$		

steady incompressible 400 8=0

LHS = 
$$3(2x+2y)$$
 =  $2(2x+2y)$   
LHS =  $4(x+y)$ 

(b) 
$$\frac{380}{51} + \nabla(840) = \nabla(100) + 50$$

Starty

 $\nabla(340) = \nabla(100) + 50$ 
 $\nabla(340) = \nabla(100) + 50$ 
 $\nabla(340) = \nabla(100) = 50$ 

Interning

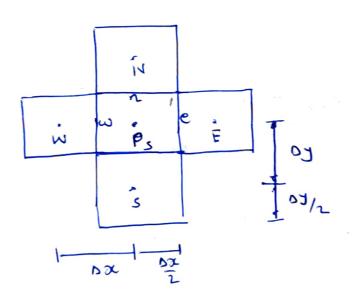
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sty considering only convertion

$$(340)_{e}$$
  $^{4}$   $^{-}$   $(840)_{w}$   $^{4}$   $^{+}$   $(940)_{n}$   $^{-}$   $^{-}$   $(840)_{s}$   $^{-}$   $^$ 

$$(404)_e \Phi e - (404)_w \Phi w + (404)_w \Phi w + (404)_w \Phi w + (404)_s \Phi s = \frac{24}{2} (\bar{x} + \bar{y}) \times \frac{1}{2}$$

4 point scheme



$$\Phi_{P} = \frac{(v_{0}x)_{\omega} + (v_{0}x)_{\omega}}{(v_{0}x)_{\varepsilon} + (v_{0}x)_{n}}$$

$$\Phi_{p} = \frac{(1+x^{2})}{(1+x^{2})} \Phi_{w} + (1+y^{2})_{S} \Phi_{S} + (\bar{x}+\bar{y})}{(1+x^{2})_{e} + (1+y^{2})_{n}}$$

$$\Phi_1 = \frac{(1+0)(0) + (1+0)(1) + 2(\frac{1}{2} + \frac{1}{2}) \times 0.5}{(1+1) + (1+1)}$$

$$\Phi_2 = \frac{(1+1)(0.5) + (1+0)(1) + 2}{5+2}$$

$$93 = \frac{(1+4)(4/4) + (1+0)(4) + (5/2+\frac{1}{2})}{(1+9) + (1+1)}$$

$$\Phi_3 = \frac{5 \times 4_4}{12} + 1 + 3 = \frac{20}{4} + 4$$

$$\Phi_4 = \frac{3}{7}$$

$$\Phi_{s} = \frac{(1+1)(3_{4}) + (1+1)\frac{4}{7} + (3_{1} + 3_{2})}{(1+4) + (1+4)}$$

$$9s = \frac{6}{7} + \frac{8}{7} + \frac{3}{7} = 0.5$$

$$\Phi_{\ell} = \frac{(1+4)(0.5) + (1+1)(\frac{4}{4}) + (\frac{5}{4} + \frac{3}{4})}{(5+1) + (4+1)}$$

$$97 = \frac{(1+0)(0) + (1+4)(^{3}4) + (\frac{1}{2}+\frac{1}{2})}{(1+1) + (1+9)}$$

$$98 = (1+1)(\frac{2}{4}) + (1+4)(\frac{1}{4} + (\frac{1}{2} + \frac{1}{2})$$

$$(1+4) + (1+9)$$

$$q_{g} = \frac{(1+4)(\frac{1-3}{21.0}) + (1+4)(\frac{1-7}{21.0}) + 5}{(1+9) + (1+9)}$$

$$\Phi_1 = \frac{3}{4}$$
  $\Phi_8 = \frac{103}{210}$   $\Phi_9 = 6.5$ 

