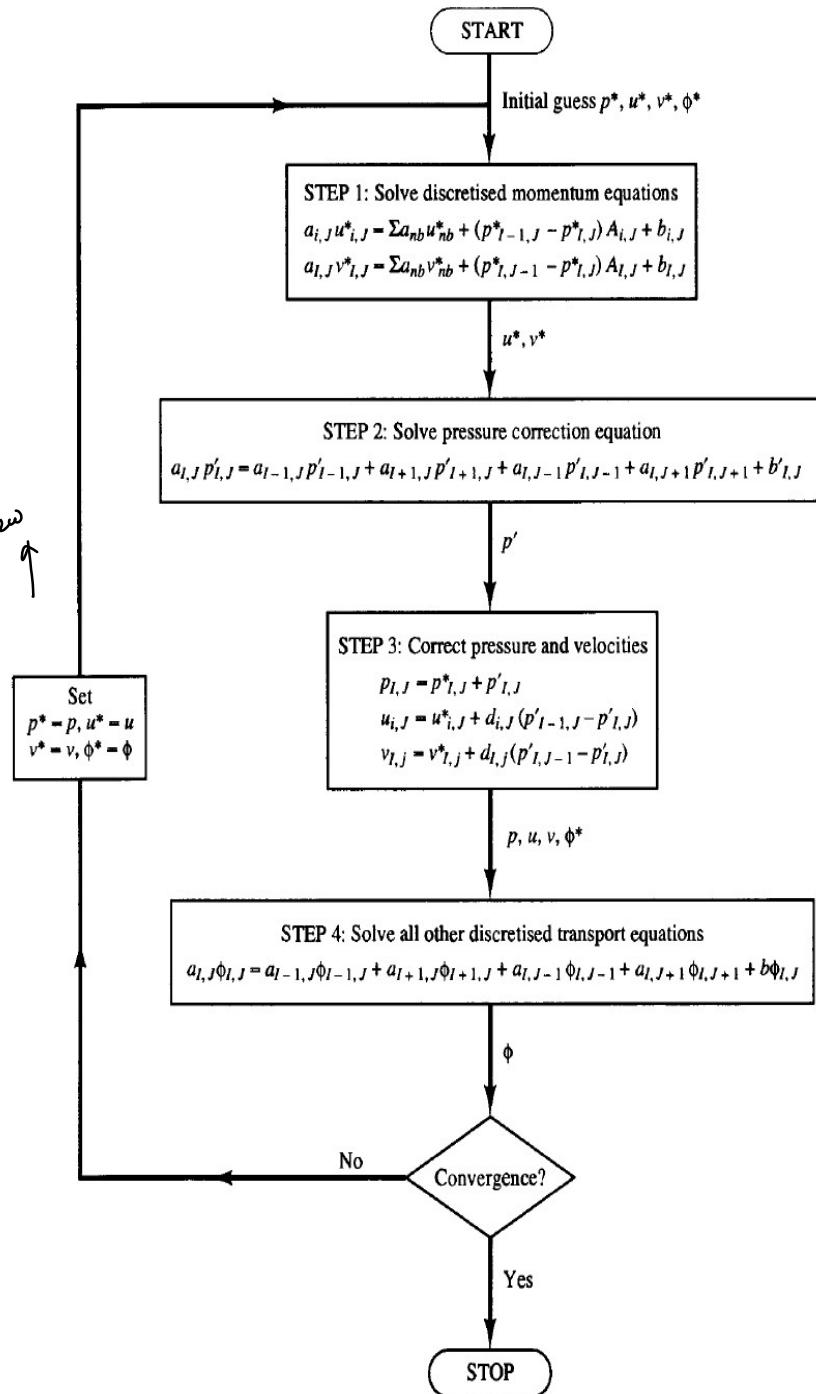


$\alpha \alpha, r, \gamma \gamma \sim p$ - CFDI

E



Under Relaxation

زیر کنف / زر داده می شود :

$$P^{new} = P^* + \alpha_p P^c \quad , \quad 0 < \alpha_p < 1$$

نحویه روزانه

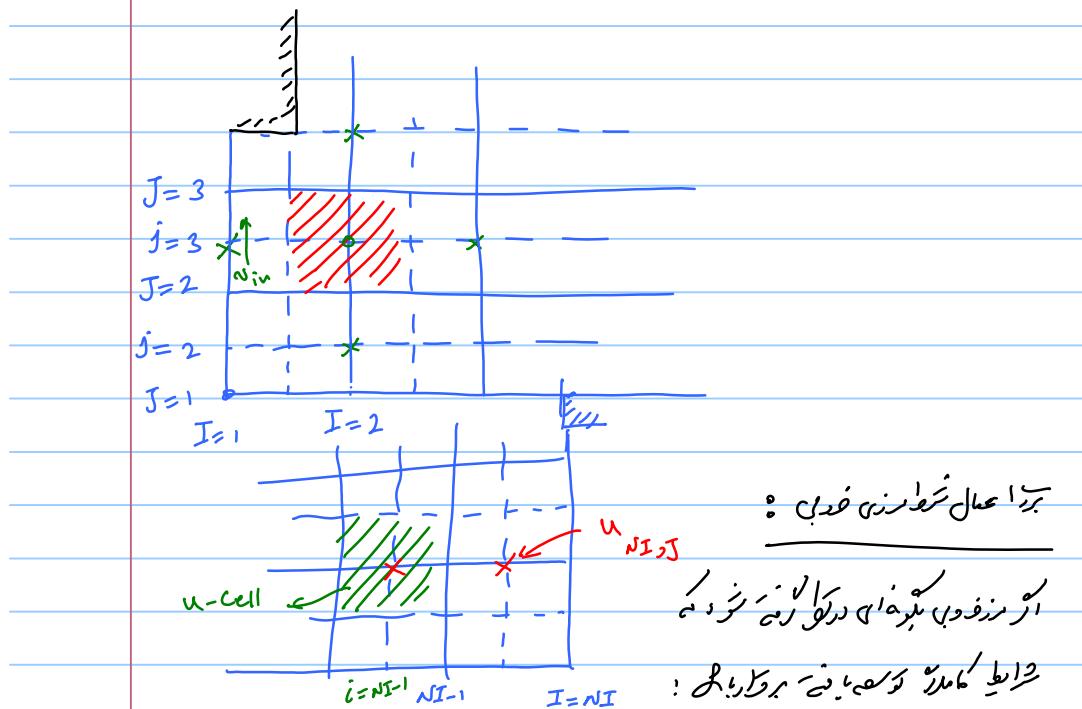
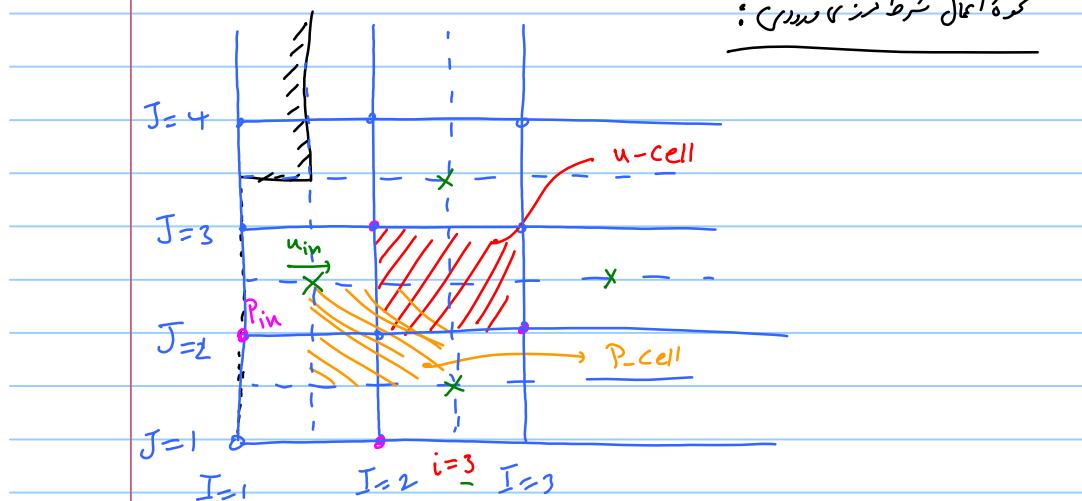
$$u^{\text{new}} = \alpha_u u^* + (1 - \alpha_u) u^{\text{old}} \rightarrow 0 < \alpha_u < 1$$

$$v^{\text{new}} = \alpha_v v^* + (1 - \alpha_v) v^{\text{old}} \rightarrow 0 < \alpha_v < 1$$

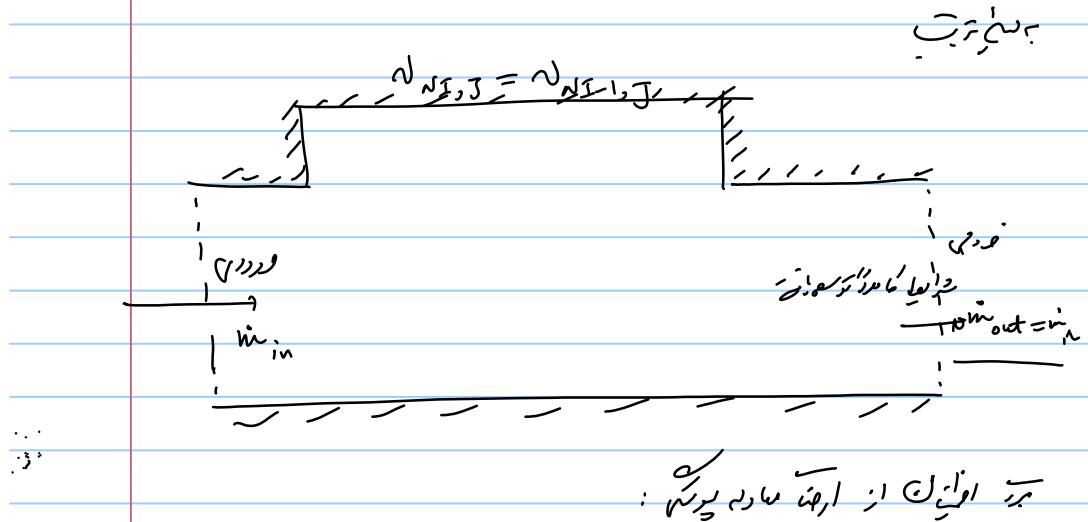
حذف اعمال سریعه:

inlet	منفذ	✓
outlet	فدوی	✓
wall	دیواره	✓
prescribed pressure	فشار مقرر	✓
Symmetry	$\omega = \bar{\omega}$	✓
periodic BC.	بیرونی	✓

جزءیه سریعه:



$$\frac{\delta(\)}{\delta x} = 0 \Rightarrow \underline{u_{NI,J} = u_{NI-1,J}} \quad \checkmark$$

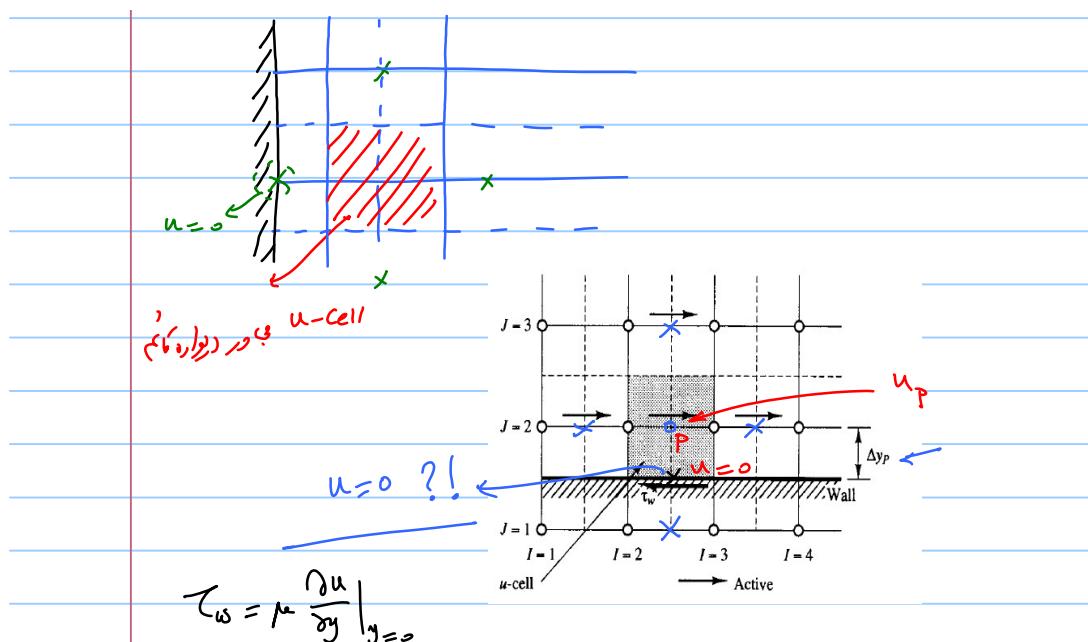
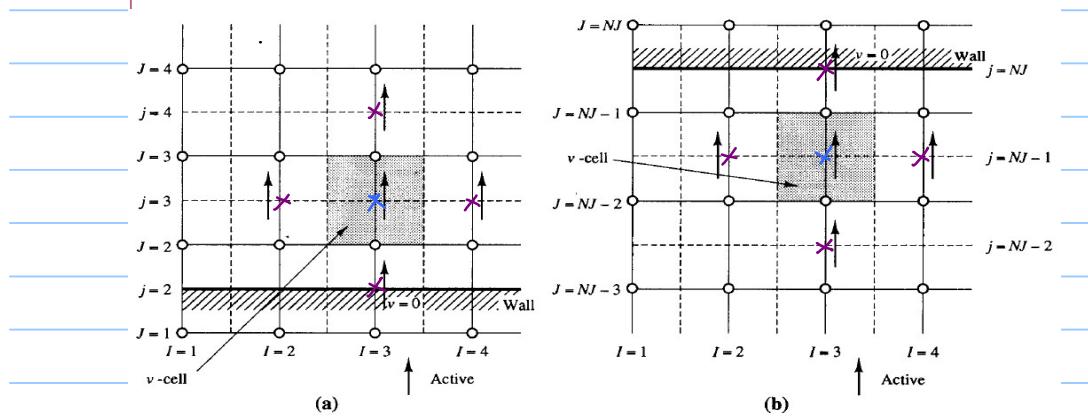


$$u_{NI,J} = u_{NI-1,J} \cdot \frac{m_{in}}{m_{out}}$$

شرط زنگ دلاره :

$$u = v = 0$$

شرط پر نزش :



$$\Rightarrow \tau_w \approx \mu \frac{u_p}{\Delta y_p} \Rightarrow F_s = -\tau_w A_{cell}$$

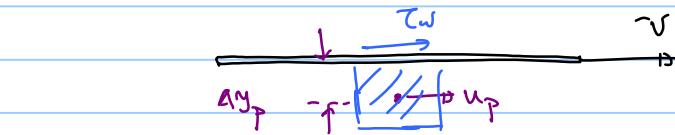
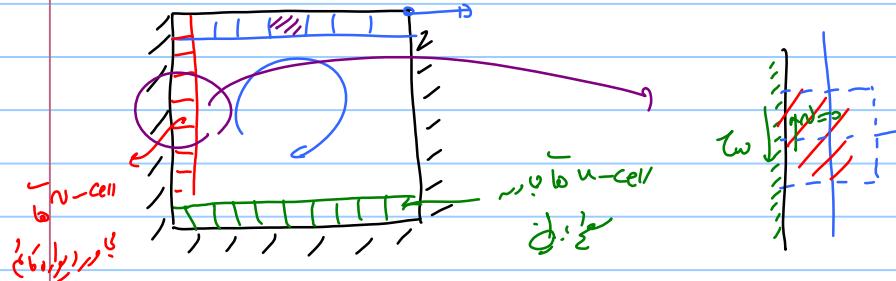
$$F_s = -\mu \frac{u_p}{\Delta y_p} A_{cell}$$

$$a_{i,j} u_{i,j} = \sum a_{nb} u_{nb} + (P_{I-1,j} - P_{I,j}) A_{i,j}$$

$\therefore x$ -mom cons.

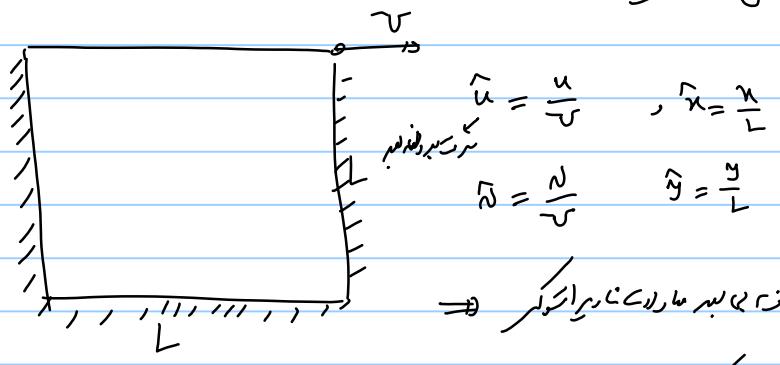
$$+ b_{i,j} + F_s$$

+ F_s \leftarrow سرعت خروجی \rightarrow سرعت بیرونی



$$\tau_w = \mu \frac{v - u_p}{\Delta y_p}$$

محل انتقال:



$\rightarrow Re \checkmark$

PISSO / SIMPLEC / SIMPLER