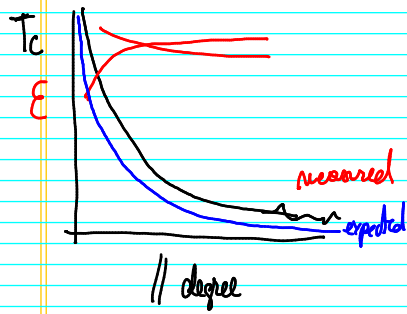


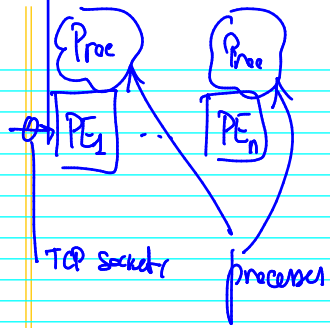
$(-1,0)$   $(0,-1)$   $(0,1)$   $(1,0)$

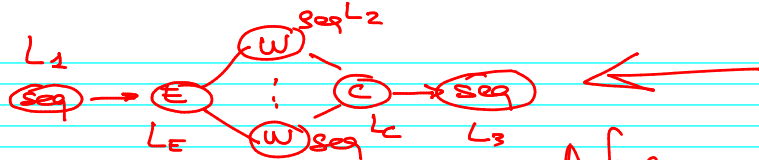
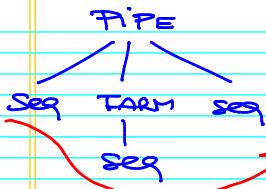
$(i-1,j+0)$   $(i+0,j-1)$   $(i+0,j+1)$   $(i+1,j+0)$



$$y_i = x_0 \oplus x_1 \oplus \dots \oplus x_i$$

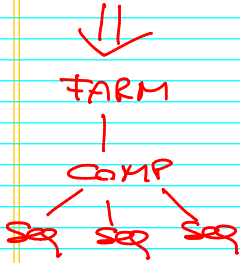




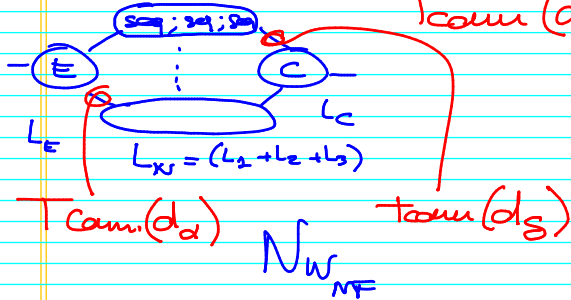


$$L = L_1 + T_{cum} + L_E + T_{cum} + \dots + T_{cum} + L_3$$

$N_{w_{seq}}$



- STAGE<sub>1</sub> :  $\alpha \rightarrow \beta$
- STAGE<sub>2</sub> :  $\beta \rightarrow \gamma$
- STAGE<sub>3</sub> :  $\gamma \rightarrow \delta$
- PIPE :  $\alpha \rightarrow \delta$



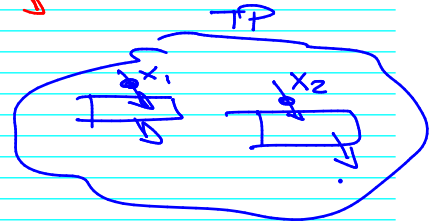
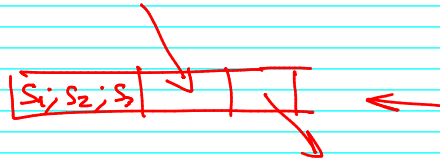
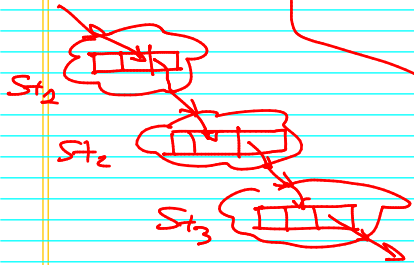
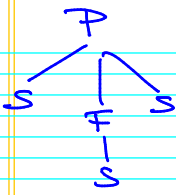
$$T_{cum}(d) = t_0 + dt_1$$

$$d_\alpha \neq d_\beta \neq d_\delta$$

$$T_s = \max \{ t_e, \frac{T_w}{m_w}, t_c \}$$

$$m_w =$$

$$m_w = \left[ \frac{T_w}{T_e} \right] \begin{array}{c|c} 0 & 0 \\ 0 & 0 \\ 0 & 0 \\ \hline T_w/m_w & T_c \end{array}$$



$comp_b[form(\Delta)] =$   
 $compile[\Delta]$

