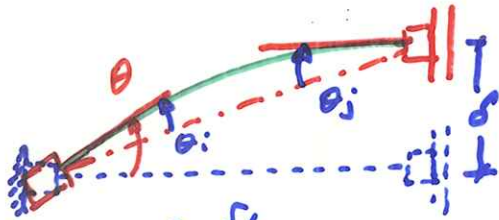
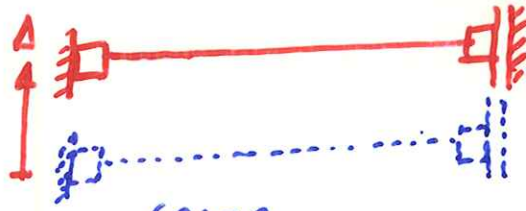


BARRAS ENCASTRADAS - ENCASTRAMIENTO DESLIZANTE



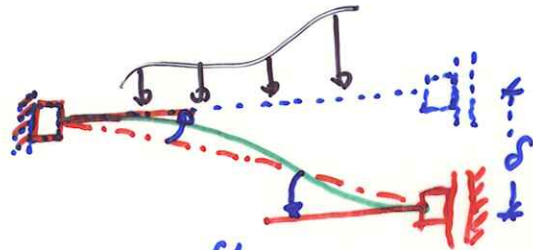
$$\begin{cases} \theta_i = -\theta + \delta/L \\ \theta_j = -\delta/L \\ e_j = 0 \end{cases}$$



$$\begin{cases} \theta_i = 0 \\ \theta_j = \theta \\ e_j = 0 \end{cases} \quad \underline{u} = 0$$



$$\begin{cases} \theta_i = 0 \\ \theta_j = \theta \\ e_j = -e \end{cases} \quad \underline{u} = 0$$



$$\begin{cases} \theta_i = -\delta/L \\ \theta_j = \delta/L \\ e_j = 0 \end{cases} \quad \underline{u} = \begin{bmatrix} \delta \\ \theta \end{bmatrix} \neq 0$$

$$\begin{bmatrix} M_i \\ M_j \\ N_j \end{bmatrix} = \begin{bmatrix} \frac{4EI}{L} & -\frac{2EI}{L} & 0 \\ -\frac{2EI}{L} & \frac{4EI}{L} & 0 \\ 0 & 0 & \frac{6A}{L} \end{bmatrix} \left\{ \begin{bmatrix} \theta_i \\ \theta_j \\ e_j \end{bmatrix} - \begin{bmatrix} \theta_i \\ \theta_j \\ e_j \end{bmatrix} \right\}$$