$$\vec{R}_{A} = (Ax \hat{c} + Ay \hat{j} + A_{4} \hat{k}) |_{b}$$

$$\vec{T}_{BD} = (T_{BD} \hat{k}) |_{b}$$

$$\vec{T}_{CF} = (T_{EF} \hat{k}) |_{b}$$

$$\vec{T}_{CD} = (-0.8 T_{CO} \hat{j} + 0.6 T_{GO} \hat{k}) |_{b}$$

$$\vec{F} = (-200 \hat{k}) |_{b}$$

(once. 
$$1 \rightarrow A_x = 0$$
(oup.  $3 \rightarrow A_y - 0.8 T_{c0} = 0$  (ii)

· Calcula americatos:

$$M_{A}^{T_{B0}} = \vec{r}_{AB} \times \vec{T}_{B0} = \begin{bmatrix} \hat{\lambda} & \hat{j} & \hat{k} \\ 4 & 0 & 0 \\ 0 & 0 & T_{B0} \end{bmatrix} = \begin{pmatrix} -4 & T_{B0} & \hat{j} \end{pmatrix} | \text{lb.ft}$$

$$M_{A}^{T_{C0}} = \vec{r}_{AC} \times \vec{T}_{C0} = \begin{bmatrix} \hat{\lambda} & \hat{j} & \hat{k} \\ 4 & 4 & 0 \\ 0 & -0.8 & T_{C0} & 0.6 & T_{C0} \end{bmatrix} = \begin{pmatrix} 2.4 & T_{C0} & \hat{j} - 3.2 & T_{C0} & \hat{k} \end{pmatrix} | \text{lb.ft}$$

$$M_{A}^{T_{EF}} = \vec{r}_{AC} \times \vec{T}_{C0} = \begin{bmatrix} \hat{\lambda} & \hat{j} & \hat{k} \\ 4 & 4 & 0 \\ 0 & -0.8 & T_{C0} & 0.6 & T_{C0} \end{bmatrix} = \begin{pmatrix} 2.4 & T_{C0} & \hat{j} - 3.2 & T_{C0} & \hat{k} \end{pmatrix} | \text{lb.ft}$$

$$\widetilde{M}_{A}^{F} = \widetilde{T}_{AC} \times \widetilde{F} = \begin{bmatrix} \hat{i} & \hat{j} & \hat{i} \\ 4 & 2 & \hat{0} \\ 0 & 0 & -2\infty \end{bmatrix} = (-400^{\circ} + 800^{\circ}) | 16 - f_{4}$$

Ges. erculares:

(onp. 
$$\hat{i} \rightarrow 2.4 \text{ Tcb} + 4 \text{ TeF} - 400 = 0$$
 -... (iv)  
(oup.  $\hat{j} \rightarrow -4 \text{ Teb} - 2.4 \text{ Tco} - 2 \text{ TeF} + 800 = 0$  ... (v)

(any. 
$$\hat{k} = 3.2 \text{ Tro} = 0$$
 (vi)

De (vi) 
$$\rightarrow$$
  $T_{co} = 0$ 

De (i)  $\rightarrow$   $A_x = 0$ 

De (ii)  $\rightarrow$   $A_y = 0$ 

De (iii)  $\rightarrow$   $A_z = -50 \text{ lb}$