$$F_{R} = (-210 \ \hat{k}) \ N$$

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$$F_{R} = (-180 \ \hat{k}) \ N$$

$$(\vec{M}_R)_{\circ} = \vec{L}\vec{M}_{\circ} + \vec{L}\vec{M} = \vec{M}_{\circ}^{F_1} + \vec{M}_{\circ}^{F_2} + \vec{M}_{\circ}^{F_3} = (-15\hat{c} + 213.75\hat{j}) N.m.$$

$$M_0^{F_1} = \begin{pmatrix} \hat{\lambda} & \hat{J} & \hat{k} \\ 2 & 0.5 & 0 \\ 0 & 6 & 65 \end{pmatrix} = (32.5 \hat{c} - 130 \hat{J}) N.m.$$

$$M_{\circ}^{F_{2}} = \begin{pmatrix} \hat{s} & \hat{s} & \hat{k} \\ 1.25 & 0.5 & 0 \\ 0 & 0 & -95 \end{pmatrix} = \begin{pmatrix} -47.5 & \hat{s} & + 118.75 & \hat{s} \end{pmatrix} N_{\circ}M_{\circ}$$

$$M_{0}^{F_{3}} = \begin{vmatrix} \hat{1} & \hat{j} & \hat{k} \\ 1.25 & 0 & 0 \\ 0 & 0 & -180 \end{vmatrix} = (225 \hat{j}) N.m$$

$$\pm \sqrt{2}T_x = 0$$
; Ra + Dx + 150 sen $\beta = 0$ \rightarrow Dx = -318.7 N
 $\sqrt{2}D_x = 318.7$ N \leftarrow