



$$\begin{aligned}
 \curvearrowright \sum M_o &= 50 \cos 20^\circ [0.1 \cos 25^\circ + 0.25 \cos 10^\circ] \\
 &\quad + 50 \sin 20^\circ [0.1 \sin 25^\circ + 0.25 \sin 10^\circ] \\
 &= 17.29 \text{ N}\cdot\text{m}
 \end{aligned}$$

Force - Couple System at O:

$$\begin{cases} R = 50 \text{ N} \nearrow 110^\circ \\ M_o = 17.29 \text{ N}\cdot\text{m} \curvearrowright \end{cases}$$

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