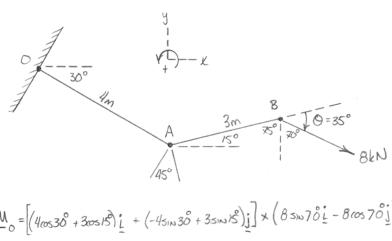
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$$\frac{M_{o} = [(4\cos 3\delta^{\circ} + 3\cos 15^{\circ})_{L}^{\circ} + (-4\sin 3\delta^{\circ} + 3\sin 3\delta^{\circ})_{j}] \times (8\sin 7\delta^{\circ}_{L} - 8\cos 7\delta^{\circ}_{j})}{M_{o} = -8.21 \text{ k N} \cdot \text{m}}$$

And F TO FIND A MAXIMUM MOMENT AT O: THE FORE MUST BE PERPENDICULAR

$$OB = \sqrt{4^2 + 3^2 - 2(4)(3)(05)35^6} \rightarrow OB = 6.48 \text{ m}$$
 $OB = \sqrt{4^2 + 3^2 - 2(4)(3)(05)35^6} \rightarrow OB = 6.48 \text{ m}$ 
 $OB = \sqrt{4^2 + 3^2 - 2(4)(3)(05)35^6} \rightarrow OB = 6.48 \text{ m}$ 
 $OB = \sqrt{4} = \sqrt{3} =$