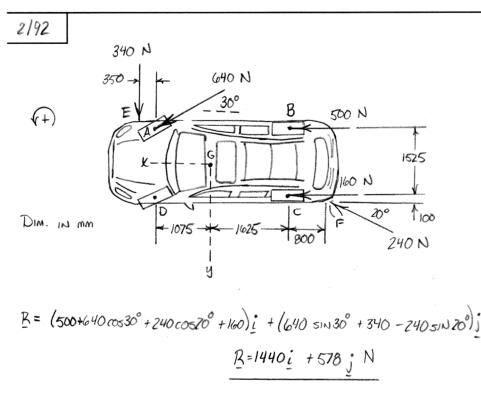
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$$\begin{split} & \geq M_G = \frac{1525}{2} \left(500 - 160 + 640 \cos 36^{\circ} \right) + 340 \left(\frac{1075 + 350}{1000} \right) + \frac{1075}{1000} \left(640 \sin 30^{\circ} \right) \\ & + \frac{1625 + 800}{1000} \left(240 \sin 20^{\circ} \right) - \left(\frac{1525/2}{1000} + \frac{100}{1000} \right) \left(240 \cos 20^{\circ} \right) = 1515 \quad \text{N.m. CCW} \\ & \text{For CCW M}_G \quad \text{WITH POSITIVE R}_X, R_X \text{ is IN NEGATIVE Y, ABOVE G.} \\ & R_X | Y | = M_G \longrightarrow 1440 | Y | = 1515 \longrightarrow | Y | = 1.052 \text{ m. so...} \left(0, -1.052 \right) \text{ m.} \\ & \text{For CCW M}_G \quad \text{WIM POSITIVE R}_Y, R_Y \text{ is IN POSITIVE X, LEFT OF G.} \\ & R_Y X = M_G \longrightarrow 578 \times = 1515 \longrightarrow X = 2.62 \text{ m. so...} \left(2.62, 0 \right) \text{ m.} \end{split}$$