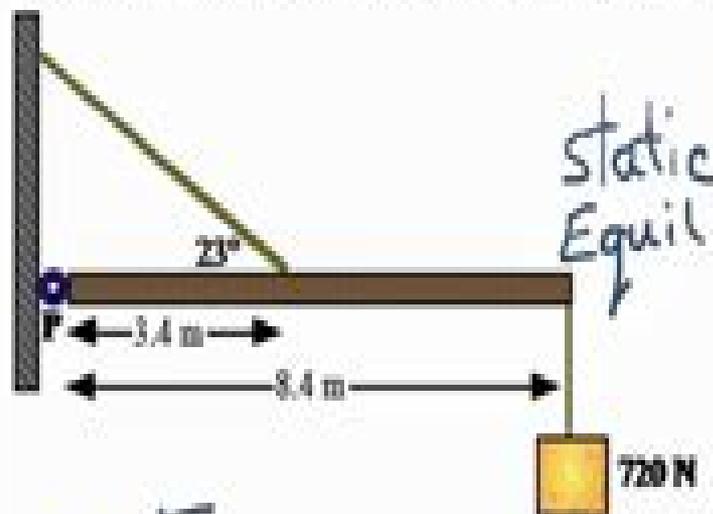


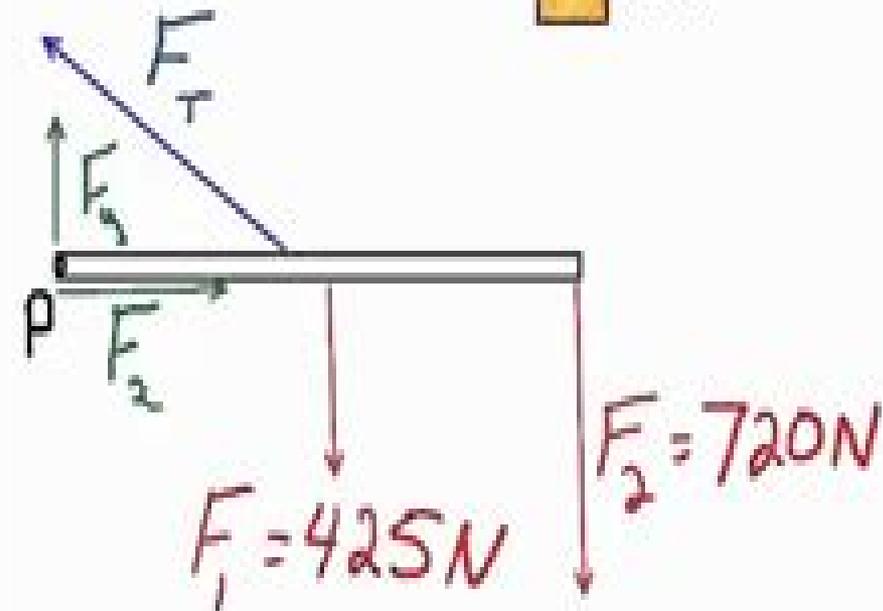
Example 10:

The diagram below shows a uniform beam hinged at P. The force of gravity on the beam is 425 N. Find the tension in the wire.



Static Equil

$$\left\{ \begin{array}{l} F_{\text{net}} = 0 \quad \text{OR} \quad \Sigma \vec{F} = 0 \\ \tau_{\text{net}} = 0 \quad \text{OR} \quad \Sigma \vec{\tau} = 0 \end{array} \right.$$



$$\tau = F \times d$$

$$\Sigma \vec{\tau} = 0$$

$$\tau_1 + \tau_2 + -\tau_3 = 0$$

Statics Equilibrium Problem Physics With Solutions

Richard Wolfson



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