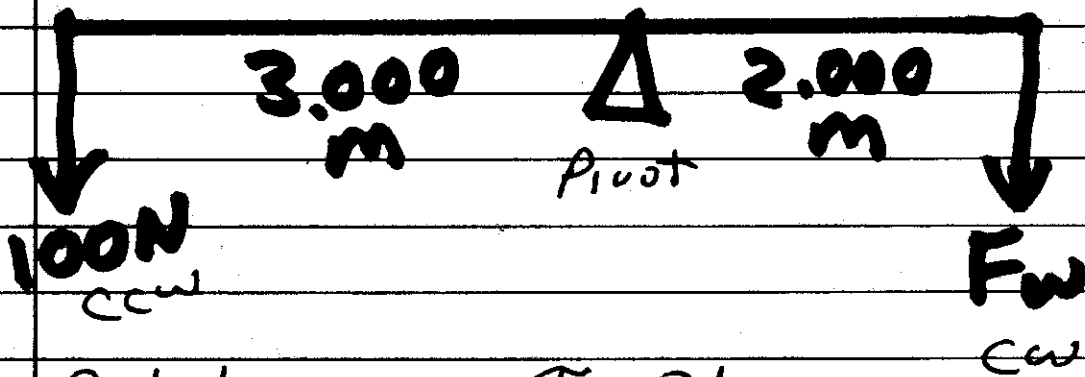


20080310.1011

Find  $F_w$  for equilibrium



Solution:  $T = Fd$

$\Sigma T = 0$  for equilibrium

$$\Sigma T_{cw} = \Sigma T_{ccw}$$

$$(F_w)(2.000\text{m}) = (100\text{N})(3.000\text{m})$$

$$2 F_w = 300\text{N}$$

$$F_w = \frac{300\text{N}}{2}$$

$$F_w = 150\text{N}$$