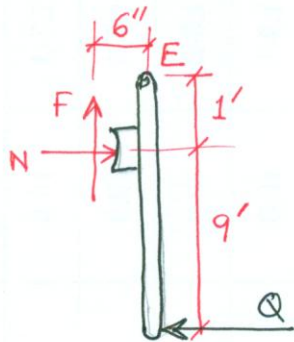


# 1421/p.419

Similar to # 1420 find  $F = 279.41 \text{ lb}$ 

$$\sum M_E = 0 \quad \curvearrowright +ve$$

$$\Rightarrow Q \times 10 + F \times \frac{6}{12} - N \times 1 = 0$$

$$\Rightarrow Q \times 10 + 279.41 \times \frac{6}{12} - 838.24 \times 1 = 0$$

$$\therefore Q = \boxed{69.85 \text{ lb.}} \text{ Ans.}$$