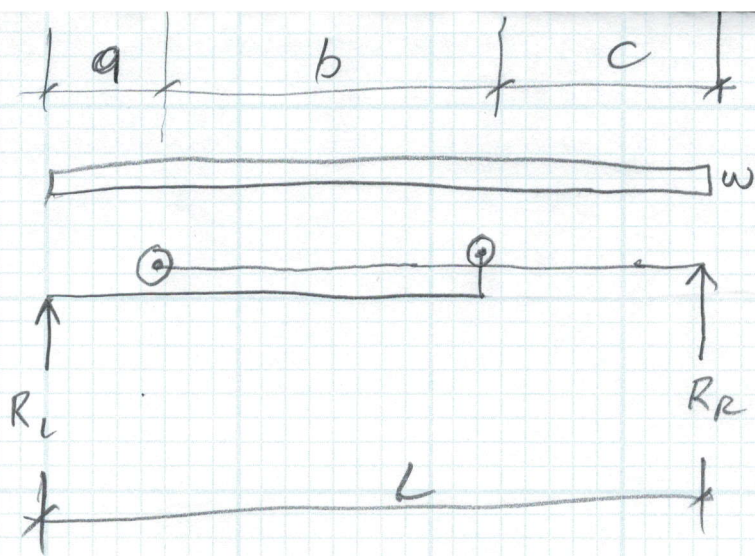
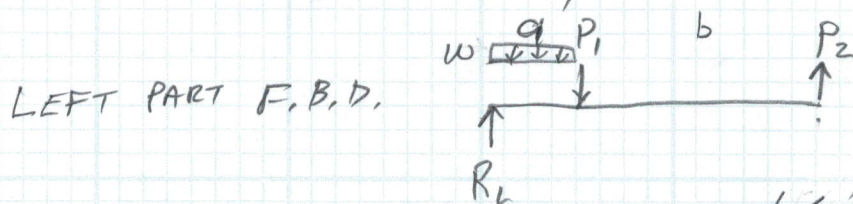




$$R_L = R_R = wL/2$$

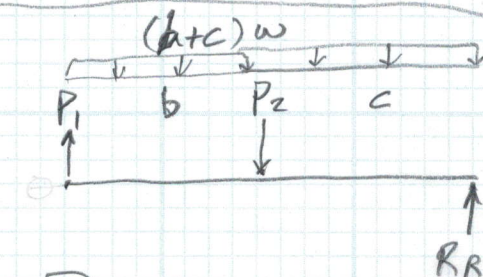


$$\sum \vec{M}_{R_L} = 0 = a w L \cdot \frac{a}{2} + P_1 \cdot a - P_2 \cdot a \cdot b$$

$$P_2 \cdot a \cdot b = \frac{a^2 w L}{2} + P_1 \cdot a$$

$$P_2 = \frac{a w L}{2b} + \frac{P_1}{b}$$

RIGHT F.B.D



$$\sum \vec{M}_{R_R} = 0 = P_1 \cdot (b+c) - P_2 \cdot c - w(b+c) \cdot \left(\frac{b+c}{2}\right)$$

$$P_1 \cdot (b+c) = P_2 \cdot c + w(b+c) \cdot \left(\frac{b+c}{2}\right)$$

$$P_1 = \frac{P_2 \cdot c}{(b+c)} + \frac{w(b+c)}{2}$$

2 EQ, 2 UNKNOWN