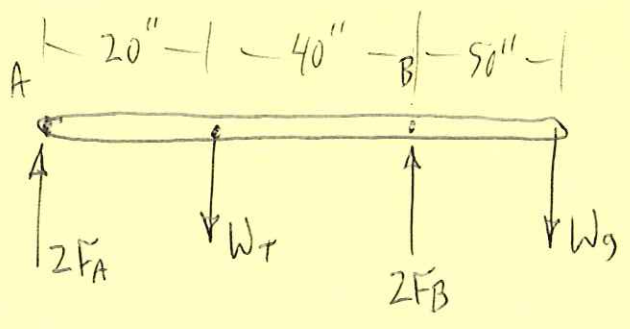


RETURN TO DR. THOMAS

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(1)

HOMEWORK #4 SOLUTIONS 4.3, 4.7, 4.15, 4.20



$$\sum F_y = 0 :$$

$$2F_A + 2F_B = 2100 + 900$$

$$F_A + F_B = 1500 \quad \text{EQU. (1)}$$

$$\sum M_A = 0 = + \curvearrowright$$

$$-20(2100) + 60(2F_B) - 110(900) = 0$$

$$F_B = 1175 \text{ LB}$$

$$F_A = 1500 - 1175 = 325 \text{ LB}$$

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