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$$|W| = 4450 \text{ N}$$

$$|R| = 4450 \text{ N}$$

$$|R| = 2950 \text{ N}$$

$$A \Sigma F = 0 : 2(4450) + 2(2950) - W = 0$$

$$W = 14800 \text{ N}$$

$$M = \frac{W}{9} = \frac{14800}{9.81} = 1509 \text{ kg}$$

$$A \Sigma M_A = 0 : - 14800 \chi + 2(2950)(2640) = 0$$

 $\chi = 1052 \text{ mm}$