



$$KE_i = 0$$

$$m = 2000 \text{ kg}$$

$$d = 20 \text{ m}$$

$$F_{\text{net}} = 1000 \text{ N} - 950 \text{ N} = 50 \text{ N}$$

$$v = ?$$

$$KE_i + W = KE_f$$

$$0 + F_{\text{net}} \cdot d = \frac{1}{2} \cdot m \cdot v_f^2$$

$$(50 \text{ N})(20 \text{ m}) = \frac{1}{2} (2000 \text{ kg}) \cdot v_f^2$$

$$v_f = 1.0 \text{ m/s}$$