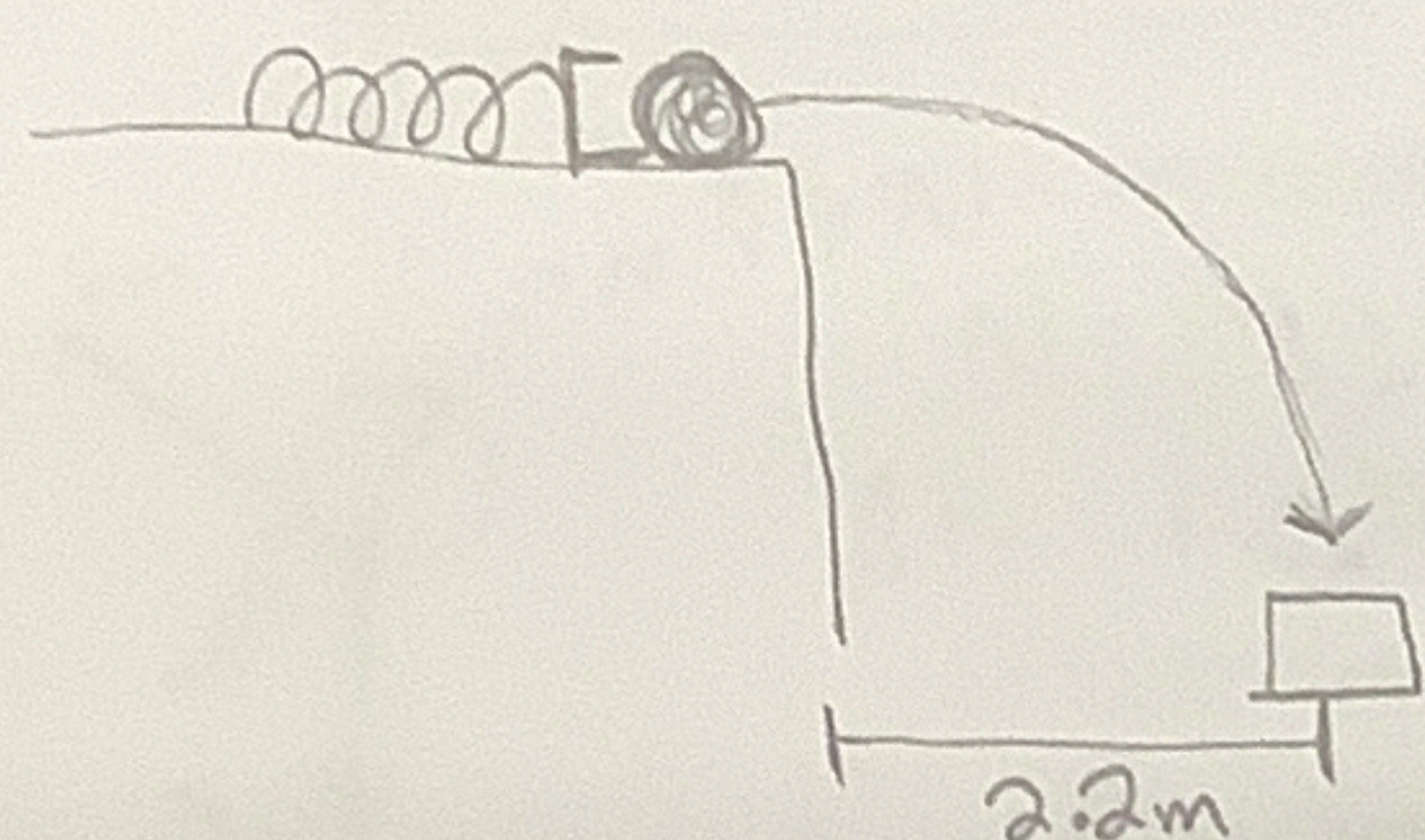


Miranda Manross Page One (#9)



Bobby compresses the spring 0.011m and falls 0.27m short.

Know

$$\Delta x = 2.2\text{m}$$

$$K > 0.011\text{m}$$

Bobby

Rhoda

$$\frac{1}{2} K x^2 = \frac{1}{2} K x^2$$

$$2.2 - 0.27 = 1.93$$

$$\frac{1}{2} 0.011 (1.93)^2 = \frac{1}{2} (K) (2.2)^2$$

$$\frac{0.02048}{2.42} = \frac{1}{2} (K) (4.84)$$

$$K = 0.00846\text{m}$$

this is
smaller...
than
Bobby's.