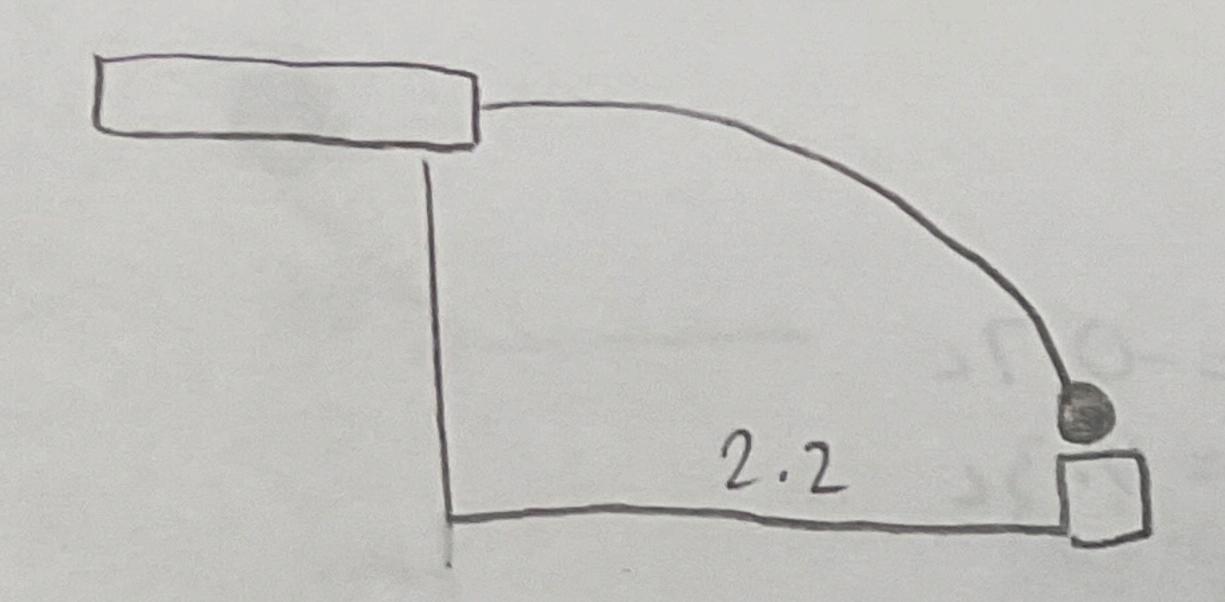


anistron 9



$$x=2.2m$$

$$\Delta X_{spring} = 0.011 m$$

$$L_{3} x = 0.27 m$$

$$\frac{1}{2}kx^{2} = \frac{1}{2}mv_{f}^{2} - mgy$$

$$\chi^{2} = \frac{1}{2}k(\frac{1}{2}mv_{f}^{2} - mgy)$$

$$\chi = \int \frac{1}{2}k(\frac{1}{2}mv_{f}^{2} - mgy)$$