$$X_i = 1.1 cm = 0.011 m$$

 $d1 = 1.93 m$
 $d2 = 2.2 m$

$$V_{i} = \sqrt{\frac{K \times i^{2}}{m}}$$
 $Y = V_{i} + \frac{1}{2}g^{+2}$

$$d1 = \sqrt{\frac{hx^2}{m}} \cdot \sqrt{\frac{24}{9}} = 1.93$$

$$dI = \sqrt{\frac{hx_1^2}{m}} \cdot \sqrt{\frac{2y}{g}} = 1.93$$

$$K = \frac{mg \cdot (1.93)^2}{2y \cdot x_1^2} \cdot \frac{2y}{g}$$

$$d2 = \sqrt{\frac{h \cdot x_2^2}{m} \cdot \frac{2y}{g} \cdot x_1^2}$$

$$d2 = \sqrt{\frac{1.93^2 \cdot x_1^2}{x_2^2}} = 2.2$$

$$2.2 = \frac{1.93 \cdot x_1}{x_2} \times x_2 = \frac{2.2}{1.93} \cdot 0.011m = 0.0125m = 1.25cm$$