LD 831057

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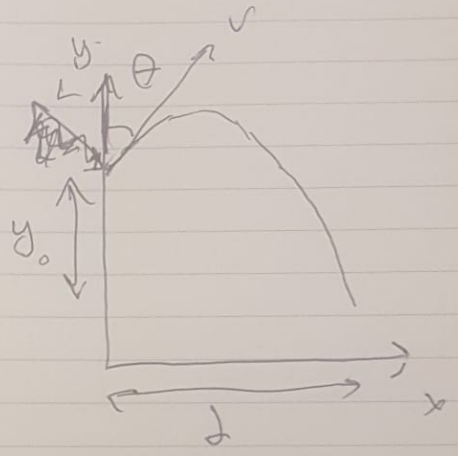
$$T = mg\sin\theta + \frac{mv^2}{L}$$

$$0.718 = 0.556 \times 9.8 \times \sin 21 + \frac{0.556 \times v^2}{0.385}$$

$$0.5227 = \frac{0.556 \times v^2}{0.385}$$

$$3.6196 = v^2$$

$$v = 1.9$$



$$-y = v_{0y}t - \frac{1}{2}gt^2$$

$$-y = -(1 - L\sin\theta) = -0.862$$

$$-0.862 = 1.9 \sin 21 \times t - \frac{1}{2} \times 9.8 \times t^2$$

$$t \simeq 0.4946$$

$$d = v_x \sin\theta \times t$$

$$d = 1.9 \times \sin 21 \times 0.4946 = 0.33671$$

$$\simeq 0.337\ m$$