$x_1 = 1.2\ cm = 0.012\ m$ Bolby compress spring

$\frac{1}{2} k x_1^2 = \frac{1}{2} m v_1^2$

$\frac{k}{m}(0.012)^2 = v_1^2$

D_1 = horizontal distance of landing spot = 2.13 m

D_2 = horizontal distance between landing point and box = 0.272 m

$d = D_1 - D_2 = 2.13 - 0.272 = 1.858\ m$

$v_1 t = 1.858\ m$

Rhoda compress spring

$\frac{1}{2} k x_2^2 = \frac{1}{2} m v_2^2$

$\frac{k}{m}(x_2)^2 = v_2^2$

$v_2 t = 2.13$

$\frac{v_1}{v_2} = 0.872\ m/s$

$\frac{(0.012)^2}{(x_2)^2} = \frac{v_1}{v_2}$

$\frac{(0.012)^2}{x_2^2} = 0.872$

$x_2 = 0.0137\ m$