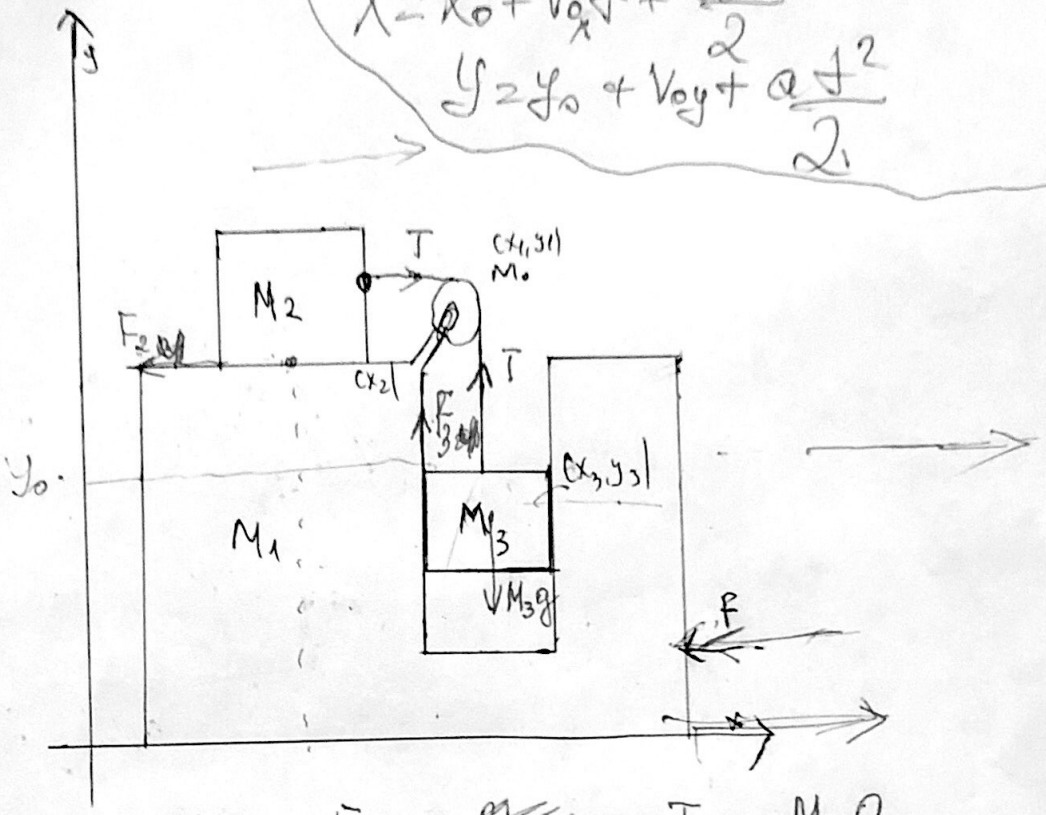
$$X = X_0 + V_{0x}t + \frac{at^2}{2}$$

$$y = y_0 + V_{0y}t + \frac{at^2}{2}$$



$$M_3 g - F_{3\,tr} - T = M_3 a$$

$$T - F_{2\,tr} = M_2 a$$

$$F_{2\,tr} = \mu_2 M_2 g \qquad F_{3\,tr} = \mu_3 M_3 g$$

$$F - F_{1\,tr} = M_1 a \qquad F_{1\,tr} = \mu_1 M_1 g$$

$$X = X_0 + \frac{at^2}{2} \qquad y_0 = y_0 - \frac{at^2}{2}$$

$$\begin{cases} M_3 g - \mu_3 M_3 g - T = M_3 a \\ T - \mu_2 M_2 g = M_2 a \end{cases}$$

$$T = M_2 a + \mu_2 M_2 g$$

Find a from here and calculate x, y