https://colab.research.google.com/drive/1K7lvEzdyOUwH2YXmHUrq17kNuAyaE-Uc?usp=sharing

$$x^2 + y^2 = R^2$$

$$\begin{cases} x = a(t - sint) \\ y = a(1 - cost) \end{cases}$$

$$y = a(1 - cost)$$