$$m\left(\frac{dV}{dt}\right) = my - c(V)^2$$
;  $v(0) = 0$   $\frac{dV}{dt} = 0 \otimes V_S$ 

$$\frac{dV}{dt} = g - \frac{dV}{m}$$

Variables, v, t parametrs: g, c, m

$$\frac{d(V_s)}{d(t_s)} = g - C$$

$$\frac{V_s}{t_s} \left( \frac{dV}{dV} \right) = 9 - CV_s \left( \frac{V}{V} \right)$$

when 
$$V_s$$
 is reached  $dV = 1$ 

$$dV = 1 \cdot ts$$

$$V_s$$

$$\left(\frac{dV}{dZ}\right) = g - g\left(V\right)^{2}$$

16. Solve numerically with ruge-kutta

1c. set  $\widehat{V} = 0.95$  — double check  $\frac{d\widehat{V}}{dt} = 0$