Finfoldur pandill:  

$$g = 9.81 \text{ M/s}^2$$
  $\Theta(0)$ ,  $\dot{\Theta}(0)$  and  $g = 9.81 \text{ M/s}^2$   $\Theta(0)$ ,  $\dot{\Theta}(0)$  and  $g = 9.81 \text{ M/s}^2$   $\Theta(0)$ ,  $\dot{\Theta}(0)$  and  $\dot{\Theta}(0)$   $\dot{\Theta}(0)$  and  $\dot{\Theta}(0)$   $\dot$ 

$$F(t, \bar{\theta}) = \begin{pmatrix} \theta \\ \vdots \\ \theta \end{pmatrix} = \begin{pmatrix} \dot{\theta}(t) \\ -\frac{5}{L} \cdot \sin(\theta) \end{pmatrix} \Rightarrow \mathbb{R}^{2} = \mathbb{Z}$$

$$Z_{1} = \theta(1)$$

$$Z_{2} = -\frac{5}{L} \cdot \sin(\theta(0))$$

$$\begin{aligned}
\bar{\Theta}(t) &= \bar{\Theta}(t-1) + h\bar{f}(t-1,\theta) \\
\bar{\Theta}(t) &= \begin{pmatrix} \Theta(t-1) \\ \dot{\Theta}(t) \end{pmatrix} + h \begin{pmatrix} \dot{\Theta}(t-1) \\ (-5/L) \cdot \sin(\theta(t-1)) \end{pmatrix}
\end{aligned}$$