After developping we find that we ned to edue the system: (to go one step beckward in time)

$$\frac{1}{(\Theta-1)} \int_{\Phi}^{\Lambda+1} dx = \frac{1}{\Phi} \int_{\Phi}^{\Lambda} dx$$

We start with To-1) f = To f -1 Is vector of payoffs at naturity and go bechward to find $f^0 = vector of werest premions.$

with
$$\begin{aligned}
& \left[x_0 = -\frac{1}{2} \Theta dt \left[\frac{\sigma^2}{dx^2} + \frac{\sigma^2 - \Gamma}{2 dx} \right] \right] \\
& \left[\Theta = 1 + \Theta dt \left[\frac{\sigma^2}{dx^2} + \Gamma \right] \right] \\
& \left[\Theta = \frac{1}{2} \Theta dt \left[-\frac{\sigma^2}{dx} + \frac{\sigma^2 - \Gamma}{2 dx} \right] \right]
\end{aligned}$$