



TD2-EX01 Suite

$$\frac{1}{(2)} = \frac{3(1-\bar{e}^{aT})}{(2-1)(2-\bar{e}^{aT})} \Rightarrow \frac{f(2)}{3} = \frac{1}{(2-1)(2-\bar{e}^{aT})}$$

$$\frac{f(3)}{3} = \frac{A}{3^{-1}} + \frac{B}{3^{-\tilde{e}^{aT}}} = \frac{A(3-\tilde{e}^{aT}) + B(3-1)}{(3-1)(3-\tilde{e}^{aT})}$$

$$= \frac{3(A+B)-\Lambda e^{-aT}}{3-1)(3-e^{aT})} \begin{cases} A+B=0 & e^{aT} = \sum_{A=1}^{A=-B} A=1 \\ -B=1 \end{cases} \begin{cases} A=-B \\ B=-1 \end{cases}$$

=)
$$\frac{f(3)}{3} = \frac{1}{3-1} = \frac{1}{3-e^{-a\tau}}$$
 => $\frac{f(3)}{3} = \frac{3}{3-1} = \frac{3}{3-e^{-a\tau}}$

$$f(3) = \frac{3}{3} = \frac{1}{1 - \ell 3^{-1}}$$

