## **Appendix:**

This appendix fixes some uncorrected typos in the published version.

Given that  $I_T^{\gamma,K} = \gamma (V_T - (F+K)) \mathbb{1}_{\{V_T - (F+K) > 0\}}$  and the firm's asset value net of private benefits  $X_{T} = V_{T} - I_{T}^{\gamma,K} = V_{T} \mathbf{1}_{\{V_{T} < F + K\}} + \left(V_{T} - \gamma V_{T} + \gamma F + \gamma K\right) \mathbf{1}_{\{V_{T} > F + K\}}, \quad \text{ it }$ should  $\{V_T > F + K\} = \{X_T > (F + K)\}$ . If this is not, notice that:

$$\{V_T > F + K\} = \{(1 - \gamma)V_T > (1 - \gamma)(F + K)\} = \{(1 - \gamma)V_T + \gamma(F + K) > (F + K)\} = \{X_T > (F + K)\}$$

 $V_T > F + K = (1 - \gamma)V_T > (1 - \gamma)(F + K) = (1 - \gamma)V_T + \gamma(F + K) > (F + K) = (X_T > (F + K))$ The total equity at time T, which is defined on the firm's assets value net of private benefits

$$\begin{split} \big[ X_T - F \big]^+ &= \big( X_T - F \big) \mathbf{1}_{\{X_T > F\}} \\ &= \underbrace{ \big( X_T - F \big) \mathbf{1}_{\{F + K > X_T > F\}} }_{X_T = V_T \text{ on } \{F + K > X_T > F\}} + \big( X_T - F \big) \mathbf{1}_{\{X_T > F + K\}} \\ &= \big( V_T - F \big) \mathbf{1}_{\{F + K > V_T > F\}} + \big( V_T - \gamma \big( V_T - \big( F + K \big) \big) - F \big) \mathbf{1}_{\{V_T > F + K\}} \\ &= \underbrace{ \big( V_T - F \big) \mathbf{1}_{\{F + K > V_T > F\}} + \big( V_T - F \big) \mathbf{1}_{\{V_T > F + K\}} }_{\big[ V_T - F \big]^+} - \gamma \underbrace{ \big( V_T - \big( F + K \big) \big) \mathbf{1}_{\{V_T > F + K\}} }_{\big[ V_T - \big( F + K \big) \big]^+} \\ &= \big[ V_T - F \big]^+ - \gamma \big[ V_T - \big( F + K \big) \big]^+. \end{split}$$