

Definition (Feedback operator \dagger). For $h : F_1 \times R \rightarrow \mathcal{A}R$, define

$$\begin{aligned} h^\dagger : F_1 &\rightarrow \mathcal{A}R, \\ f_1 &\mapsto \text{lfp} \left(\Psi_{f_1}^h \right), \end{aligned} \tag{0.1}$$

where $\Psi_{f_1}^h$ is defined as

$$\begin{aligned} \Psi_{f_1}^h : \mathcal{A}R &\rightarrow \mathcal{A}R, \\ R &\mapsto \text{Min}_{\leq R} \bigcup_{r \in R} h(f_1, r) \cap \uparrow r. \end{aligned} \tag{0.2}$$