

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

$$h^\dagger : F_1 \rightarrow \mathcal{A}R,$$

$$f_1 \mapsto \text{lfp} \left( \Psi_{f_1}^h \right),$$

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

$$\Psi_{f_1}^h : \mathcal{A}R \rightarrow \mathcal{A}R,$$

$$R \mapsto \text{Min}_{\leq R} \bigcup_{r \in R} h(f_1, r) \cap \uparrow r.$$