Definition (Feedback operator †)

For $h : \mathbf{F}_1 \times \mathbf{R} \to \mathcal{A}\mathbf{R}$, define

$$h^\dagger : \mathbf{F}_1 \to \mathcal{A}\mathbf{R},$$
$$f_1 \mapsto \mathrm{lfp}\left(\Psi^h_{f_1}\right),$$

where $\Psi^h_{f_1}$ is defined as

$$\Psi^h_{f_1} : \mathcal{A}\mathbf{R} \to \mathcal{A}\mathbf{R},$$
$$R \mapsto \operatorname{Min}_{\leq_{\mathbf{R}}} \bigcup_{r \in R} h(f_1, r) \cap \uparrow r.$$