

Definition (Series operator \odot)

For two maps $h_1 : \mathbf{F}_1 \rightarrow \mathcal{AR}_1$ and $h_2 : \mathbf{F}_2 \rightarrow \mathcal{AR}_2$, if $\mathbf{R}_1 = \mathbf{F}_2$, define

$$h_1 \odot h_2 : \mathbf{F}_1 \rightarrow \mathcal{AR}_2,$$

$$h_1 \mapsto \text{Min}_{\leq \mathbf{R}_2} \bigcup_{r_1 \in h_1(f)} h_2(r_1).$$