

effect-type^{0,22}

$\text{effect-type}(ds; ds'; da) \equiv_{\text{def}} \kappa x: \text{Kind} \times \text{Id} \text{ fp} \rightarrow \text{State}(ds) \rightarrow \text{Valtype}(da; 1\text{of}(\kappa x)) \rightarrow ds'(2\text{of}(\kappa x)) ? \text{Top}$

clarification:

$\text{effect-type}(ds; ds'; da)$
 $\equiv_{\text{def}} \kappa x: \text{Kind} \times \text{Id} \text{ fp} \rightarrow \text{State}(ds) \rightarrow \text{Valtype}(da; 1\text{of}(\kappa x)) \rightarrow \text{fpf-cap}(ds'; \text{IdDeq}; 2\text{of}(\kappa x); \text{Top})$