

es-decl^{11,40}

$$\begin{aligned} & \text{es-decl}(es; ds; da) \\ \equiv_{\text{def}} & (\forall i:\text{Id}. \text{state}@i \subseteq_r (ds(i))) \\ & \ \& (\forall i:\text{Id}, k:\text{Kind}. (\uparrow \text{hasloc}(k;i) \Rightarrow (\text{kindtype}(i;k) \subseteq_r (da(i,k)))))) \end{aligned}$$

clarification:

$$\begin{aligned} & \text{es-decl}(es; ds; da) \\ \equiv_{\text{def}} & (\forall i:\text{Id}. \text{es-state}(es;i) \subseteq_r (ds(i))) \\ & \ \& (\forall i:\text{Id}, k:\text{Kind}. (\uparrow \text{hasloc}(k;i) \Rightarrow (\text{es-kindtype}(es;i;k) \subseteq_r (da(i,k)))))) \end{aligned}$$