

es-decls^{0,22}

$\text{es-decls}(es; i; ds; da)$
 $\equiv_{\text{def}} \forall x \in \text{fpf-domain}(ds). \text{let } T = ds(x) \text{ in } \text{vartype}(i; x) \subseteq \rho T$
 $\quad \& \forall k \in \text{fpf-domain}(da).$
 $\quad \text{let } T = da(k) \text{ in } \forall e: \mathbf{E}. \text{loc}(e) = i \vee \text{isrcv}(e) \Rightarrow \text{kind}(e) = k \Rightarrow \text{valtype}(e) \subseteq \rho T$

clarification:

$\text{es-decls}(es; i; ds; da)$
 $\equiv_{\text{def}} \forall x \in \text{fpf-domain}(ds). \text{let } T = \text{fpf-ap}(ds; \text{IdDeq}; x) \text{ in } \text{es-vartype}(es; i; x) \subseteq \rho T$
 $\quad \& \forall k \in \text{fpf-domain}(da).$
 $\quad \text{let } T = \text{fpf-ap}(da; \text{KindDeq}; k) \text{ in}$
 $\quad \forall e: \text{es-E}(es).$
 $\quad \text{es-loc}(es; e) = i \in \text{Id} \vee \text{es-isrcv}(es; e)$
 $\quad \Rightarrow \text{es-kind}(es; e) = k \in \mathbf{Knd}$
 $\quad \Rightarrow \text{es-valtype}(es; e) \subseteq \rho T$