

R-state-var-da-dom^{11,40}

$\forall i:\text{Id}, ds:\text{fpf}(\text{Id}; x.\text{Type}), da:\text{fpf}(\text{Knd}; k.\text{Type}), x:\text{Id}, T:\text{Type}, ks:(\text{Knd List}),$
 $tr:(k:\{k:\text{Knd} \mid (k \in ks)\} \rightarrow \text{decl-state}(ds) \rightarrow \text{ma-valtype}(da; k) \rightarrow T \rightarrow T).$
 $\text{fpf-compatible}(\text{Id}; x.\text{Type}; \text{id-deq}; ds; \text{fpf-single}(x; T))$
 $\Rightarrow (\forall k:\text{Knd}.$
 $(\uparrow \text{fpf-dom}(\text{Kind-deq}; k; \text{R-da}(\text{R-state-var}(i; ds; da; x; T; ks; tr); i))) \Rightarrow (k \in ks))$