R-state-var-init-compat^{0,22}

$\forall i$:Id, ds:x:Id fp$\rightarrow$ Type, da:k:Knd fp$\rightarrow$ Type, x:Id, T:Type, v:T, ks:Knd List,
tr:(k:{k:Knd| ($k \in ks$) }$\rightarrow$State(ds)$\rightarrow$Valtype(da;k)$\rightarrow T \rightarrow T$).
$\neg x \in \mathrm{dom}(ds)$
$\Rightarrow$ ($\forall A$:Realizer.
R-Feasible(A)
$\Rightarrow \neg$R-occurs(A;i;x)
$\Rightarrow ds \parallel$ R-ds(A;i)
$\Rightarrow da \parallel$ R-da(A;i)
$\Rightarrow$ ($\forall k \in ks$. isrcv(k) $\Rightarrow$ R-da(A;source(lnk(k)))(k)?Void $\subseteq \rho$ Valtype(da;k))
$\Rightarrow$ ($\forall k \in ks$. $k \in \mathrm{dom}(da)$)
$\Rightarrow$ ($\forall k$:Knd. ($k \in ks$) $\Rightarrow \neg$write-restricted(A;i;k))
$\Rightarrow$ ($\forall y$:Id. $y \in \mathrm{dom}(ds \oplus x : T) \Rightarrow \neg$read-restricted($A$; i; y))
$\Rightarrow$ R-state-var-init(i;ds;da;x;T;v;ks;tr) $\parallel A$)

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http://www.cs.cornell.edu/Info/Projects/NuPrl/FDLcontent/p0_286125_/
p21_419956_{R-state-var-init-compat}.html