

R-compat-base-recognize^{11,40}

$\forall A:\text{Realizer}, i, x:\text{Id}, k:\text{Knd}, test:(\text{State}(\text{R-state}(A;i)) \rightarrow \text{Valtype}(\text{R-da}(A;i);k) \rightarrow \mathbb{B}).$
 $\text{R-Feasible}(A)$
 $\Rightarrow (\neg(\uparrow x \in \text{dom}(\text{R-state}(A;i))))$
 $\Rightarrow (\uparrow \text{hasloc}(k;i))$
 $\Rightarrow (\neg(\uparrow \text{write-restricted}(A;i;k)))$
 $\Rightarrow (\forall y:\text{Id}. (\uparrow y \in \text{dom}(x : \mathbb{B} \oplus \text{R-state}(A;i))) \Rightarrow (\neg(\uparrow \text{read-restricted}(A; i; y))))$
 $\Rightarrow A \parallel \text{R-base-recognize}(i;\text{R-state}(A;i);x;k;\text{Valtype}(\text{R-da}(A;i);k);test)$