

R-compatible-base-recognize^{0,22}

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