

abstract-realizers^{0,22}

DIR: es_realizer_object_directory

ABS: $k(v)$ sends $[tg, f(\text{State}(ds), v)]$ on l **Rusends1**

STM: Rusends1_wf

ABS: $\oplus(L)$ **Rlist**

STM: Rlist_wf

ABS: $\oplus x \in L. R(x)$ **Rall**

STM: Rall_wf

STM: Rall-cons

STM: Rall-nil

STM: es_realizer_subtype

ABS: $pr \models X$ **sem-sat**

STM: sem-sat_wf

ABS: $\vdash X$ **sem-satisfiable**

STM: sem-satisfiable_wf

ABS: $K\text{-sem}(S; equiv)$ **K-sem**

STM: K-sem_wf

ABS: $kpr \models X$ **K-sem-sat**

STM: K-sem-sat_wf

ABS: pr implements kpr **K-implements**

STM: K-implements_wf

STM: K-refine

ABS: $\Box!P$ **box!**

STM: box!_wf

STM: Rplus-implies

STM: Rnone-implies

ABS: $R\text{-size}(R)$ **R-size**

STM: $R\text{-size_wf}$

STM: $R\text{-size-implies}$

STM: $R\text{-size-base}$

STM: $R\text{-size-decreases}$

STM: $R\text{none?}-implies$

ABS: $R\text{-loc}(R)$ **R-loc**

STM: $R\text{-loc_wf}$

ABS: $R\text{-has-loc}(R;i)$ **R-has-loc**

STM: $R\text{-has-loc_wf}$

STM: $R\text{-has-loc-base}$

STM: $R\text{-has-loc-Rplus}$

STM: $R\text{list-has-loc}$

STM: $R\text{all-has-loc}$

ABS: $R\text{ds}(R)$ **Rds**

STM: $R\text{ds_wf}$

ABS: $R\text{-ds}(R;i)$ **R-ds**

STM: $R\text{-ds_wf}$

STM: $R\text{-ds-Rds}$

ABS: $R\text{da}(R)$ **Rda**

STM: $R\text{da_wf}$

ABS: $R\text{-da}(R;i)$ **R-da**

STM: $R\text{-da_wf}$

STM: $R\text{-da-Rlist}$

STM: $R\text{-da-Rda}$

STM: $R\text{-da-Rall}$

ABS: $\text{base-domain-type}(n)$ **base-domain-type**

STM: base-domain-type_wf
 ABS: $p = q$ **eq_bd**
 STM: eq_bd_wf
 STM: assert-eq-bd
 ABS: R -base-domain(R) **R-base-domain**
 ABS: R -frame-compat($A;B$) **R-frame-compat**
 STM: R-frame-compat_wf
 STM: R-frame-compat-self
 STM: R-base-domain_wf
 ABS: R -interface-compat($A;B$) **R-interface-compat**
 STM: R-interface-compat_wf
 ABS: $A \parallel B$ **R-compat**
 STM: R-compat_wf
 ABS: R -icompat($A;B$) **R-icompat**
 STM: R-icompat_wf
 ABS: R -interface($A;B$) **R-interface**
 STM: R-interface_wf
 STM: R-interface-Rplus
 STM: R-interface-Rplus2
 STM: R-compat-Rplus-sq
 STM: R-compat-Rplus2
 STM: R-compat-symmetry
 STM: R-compat-none
 STM: R-compat-Rall
 STM: R-compat-Rall2
 ABS: R -Feasible(R) **R-Feasible**
 STM: R-Feasible_wf

STM: R-Feasible-Rplus
 STM: Rplus-Feasible
 ABS: R-self-interface(R) **R-self-interface**
 STM: R-self-interface_wf
 STM: R-self-interface-implies
 STM: R-Feasible-self-interface
 STM: R-interface-compat-self
 STM: R-compat-self
 STM: R-Feasible-effect
 ABS: $A \subseteq B$ **R-sub**
 STM: R-sub_wf
 STM: R-sub-lemma1
 STM: R-sub-self
 STM: R-sub-plus-left
 STM: R-sub-plus-right
 STM: R-sub_transitivity
 STM: R-sub-compat
 STM: R-sub-feasible
 STM: R-sub-Rlist
 STM: R-feasible-Rlist
 STM: R-feasible-Rall
 STM: R-compat-Rlist
 ABS: P holds in state $init \Rightarrow \exists e@i$ **pre-init-p**
 STM: pre-init-p_wf
 ABS: pre-init-p2($es; i; ds; init; a; T; P$) **pre-init-p2**
 STM: pre-init-p2_wf
 ABS: R-state($R; i$) **R-state**

STM: R-state_wf
 STM: R-state-plus-cap
 STM: R-Feasible-state
 STM: Rinit-compat
 STM: Rframe-compat
 ABS: R-occurs($R; i; z$) **R-occurs**
 STM: R-occurs_wf
 STM: R-occurs-has-loc
 ABS: write-restricted($R; i; k$) **write-restricted**
 STM: write-restricted_wf
 STM: write-restricted-has-loc
 ABS: read-restricted($R; i; y$) **read-restricted**
 STM: read-restricted_wf
 STM: read-restricted-R-occurs
 STM: read-restricted-has-loc
 STM: not-R-occurs-frame-compat
 STM: not-R-occurs-init-compat
 STM: dom-R-ds-occurs
 STM: not-R-has-loc-R-ds
 STM: not-R-has-loc-R-da
 STM: R-compat-disjoint
 ABS: R-lnk-tags($ds; da; l; tgs; ks; g$) **R-lnk-tags**
 STM: R-lnk-tags_wf
 STM: R-lnk-tags-compat2
 STM: Rinit-lnk-tags-compat
 STM: R-lnk-tags-loc
 STM: R-lnk-tags-da

STM: R-compatible-ds

STM: R-compatible-da

STM: R-compatible-da2

STM: R-interface-compatible

STM: R-interface-iff

STM: R-interface-iff2

STM: R-compatible-one-loc

STM: R-compatible-one-loc2