

decidable-equality^{11,40}

ABS: EqDecider(T) **deq**

STM: deq_wf

ABS: eqof(d) **eqof**

STM: eqof_wf

STM: deq_property

STM: eqof_eq_btrue

STM: eqof_equal_btrue

ABS: $f^{**}(x)$ **fix**

STM: fix_wf

STM: fix_property

STM: fix_step

STM: fix_connected

STM: strong-subtype-deq

STM: strong-subtype-deq-subtype

STM: nat-deq-aux

ABS: NatDeq **nat-deq**

STM: nat-deq_wf

STM: atom-deq-aux

ABS: AtomDeq **atom-deq**

STM: atom-deq_wf

STM: atom2-deq-aux

ABS: Atom2Deq **atom2-deq**

STM: atom2-deq_wf

STM: bool-deq-aux

ABS: BoolDeq **bool-deq**

STM: bool-deq_wf
 ABS: proddeq($a;b$) **proddeq**
 STM: proddeq_wf
 ABS: product-deq($A;B;a;b$) **product-deq**
 STM: product-deq_wf
 ABS: sumdeq($a;b$) **sumdeq**
 STM: sumdeq_wf
 STM: subtype-deq
 STM: subtype_rel-deq
 ABS: union-deq($A;B;a;b$) **union-deq**
 STM: union-deq_wf
 ABS: deq-member($eq;x;L$) **deq-member**
 STM: deq-member_wf
 STM: assert-deq-member
 ABS: DS(A) **discrete_struct**
 STM: discrete_struct_wf
 ABS: dstype($TypeNames; d; a$) **dstype**
 STM: dstype_wf
 STM: decidable__dstype_equal
 ABS: dsdeq($d;a$) **dsdeq**
 STM: dsdeq_wf
 ABS: dseq($d;a$) **dseq**
 STM: dseq_wf
 ABS: $x = y$ **eq_ds**
 STM: eq_ds_wf
 STM: ds_property
 ABS: insert($a;L$) **insert**

STM: insert_wf
 STM: insert_property
 STM: no_repeats_insert
 STM: member_insert
 ABS: l-union($eq; as; bs$) **l-union**
 STM: l-union_wf
 STM: member_union
 STM: no_repeats_union
 ABS: l-union-list($eq; ll$) **l-union-list**
 STM: l-union-list_wf
 STM: member_l-union-list
 STM: no_repeats_union-list
 ABS: remove-repeats($eq; L$) **remove-repeats**
 STM: remove-repeats_wf
 STM: remove-repeats_property
 STM: member_remove-repeats
 ABS: list-diff($eq; as; bs$) **list-diff**
 STM: list-diff_wf
 STM: list-diff_property
 STM: member_list-diff
 ABS: IdDeq **id-deq**
 STM: id-deq_wf
 ABS: $a = b$ **eq_id**
 STM: eq_id_wf
 STM: eq_id_self
 STM: assert-eq-id
 STM: decidable_equal_Id

STM: eq-id-test
 ABS: IdLnkDeq **idlnk-deq**
 STM: idlnk-deq_wf
 ABS: $a = b$ **eq_lnk**
 STM: eq_lnk_wf
 STM: assert-eq-lnk
 STM: decidable_equal_IdLnk
 ABS: isrcvl($l;k$) **isrcvl**
 STM: isrcvl_wf
 STM: assert-isrcvl
 STM: lconnects-transitive
 STM: decidable_l_member
 STM: decidable_l_disjoint
 ABS: lintersection($eq;L_1;L_2$) **lintersection**
 STM: lintersection_wf
 STM: member-intersection
 STM: ldisjoint_intersection
 STM: ldisjoint_intersection2
 STM: disjoint-iff-null-intersection
 STM: ldisjoint_intersection_implies
 STM: ldisjoint_intersection_implies2
 ABS: KindDeq **Kind-deq**
 STM: Kind-deq_wf
 ABS: $a = b$ **eq_knd**
 STM: eq_knd_wf
 STM: eq_knd_self
 STM: assert-eq-knd

STM: `decidable_equal_Kind`

ABS: `locl_rcv{locl_rcv_compseq_tag_def:ObjectId}(tg; l; a) locl_rcv_compseq_tag_def`

ABS: `rcv_locl{rcv_locl_compseq_tag_def:ObjectId}(a; tg; l) rcv_locl_compseq_tag_def`

ABS: `locl_locl{locl_locl_compseq_tag_def:ObjectId}(b; a) locl_locl_compseq_tag_def`

ABS: `rcv_rcv{rcv_rcv_compseq_tag_def:ObjectId}(t'; l'; t; l) rcv_rcv_compseq_tag_def`

STM: `map_concat_filter_lemma1`

STM: `map_concat_filter_lemma2`

ABS: StandardDS **standard-ds**

STM: `standard-ds_wf`

ABS: `index(L;x) l_index`

STM: `l_index_wf`

STM: `l_index_hd`

STM: `select_l_index`

STM: `l_before_l_index`

STM: `l_before_l_index_le`

ABS: `has_src(i;k) has_src`

STM: `has_src_wf`

STM: `assert_has_src`

ABS: `has_loc(k;i) has_loc`

STM: `has_loc_wf`

STM: `assert_has_loc`

STM: `subtype_set_has_loc`

ABS: `kind_loc(k;i) kind_loc`

STM: `kind_loc_wf`

ABS: LocKnd **LocKnd**

STM: `LocKnd_wf`

ABS: `locknd_deq() locknd-deq`

STM: locknd-deq_wf
 ABS: let $i,k:\text{LocKnd} = ik$ in $P(i;k)$ **locknd-spread**
 STM: locknd-spread_wf
 STM: locknd-spread_wf2
 ABS: locknd($i;k$) **locknd**
 STM: locknd_wf
 STM: locknd_functionality_isrcv
 ABS: MaName **MaName**
 STM: MaName_wf
 ABS: maname-deq() **maname-deq**
 STM: maname-deq_wf
 STM: decidable_equal_MaName
 ABS: name-case($n;i,k.A(i;k);j,x.B(j;x)$) **name-case**
 STM: name-case_wf
 STM: decidable_l_disjoint_manames
 ABS: if nms_1 and nms_2 overlap then x else y fi **manames-overlap-case**
 STM: manames-overlap-case_wf
 STM: manames-overlap-case-symmetry
 STM: manames-overlap-nil
 STM: manames-overlap-nil2
 STM: no_repeats_mu_index
 STM: no_repeats_l_index
 STM: no_repeats_l_index-inj