general[11,40]

STM: integer sqrt

STM: band-to-and

STM: bor-to-and

STM: bnot-tt

STM: bnot-ff

ABS: bool-decider(b) **bool-decider**

STM: bool-decider_wf

ABS: projn(n;x) **projn**

ABS: invert-union(x) **invert-union**

STM: invert-union_wf

STM: not-false

STM: not-true

STM: not-assert

STM: not-not-assert

STM: equal-bnot

STM: inconsistent-bool-eq

STM: inconsistent-bool-eq2

STM: inconsistent-bool-eq3

STM: inconsistent-bool-eq4

ABS: $[d]_b$ **dcdr-to-bool**

STM: dcdr-to-bool_wf

STM: dcdr-to-bool-equivalence

STM: test-rewrite-dcdr

STM: bool-to-dcdr-aux

STM: bool-to-neg-dcdr-aux

ABS: $\{f\}_q$ **bool-to-neg-dcdr**

STM: bool-to-neg-dcdr_wf

ABS: $\{f\}_b$ **bool-to-dcdr**

STM: bool-to-dcdr_wf

ABS: if p:P then $A(p)$ else B fi **branch**

STM: branch_wf

STM: branch_wf2

STM: branch-ifthenelse

STM: decidable-filter

ABS: can-apply(f;x) **can-apply**

STM: can-apply_wf

ABS: do-apply(f;x) **do-apply**

STM: do-apply_wf

STM: inl-do-apply

ABS: f o g **p-compose**

STM: p-compose_wf

ABS: f o' g **p-compose'**

STM: p-compose'_wf

ABS: p-lift(d;f) **p-lift**

STM: p-lift_wf

STM: can-apply-p-lift

STM: do-apply-p-lift

STM: can-apply-compose-sq

STM: can-apply-compose

STM: can-apply-compose-iff

STM: do-apply-compose

STM: can-apply-compose'

STM: do-apply-compose'

ABS: p-id() **p-id**

STM: p-id_wf

STM: p-compose-id

STM: p-id-compose

STM: p-compose-associative

ABS: p-first(L) **p-first**

STM: p-first_wf

STM: p-first-singleton

ABS: p_first_nil{p_first_nil_compseq_tag_def:ObjectId}(x) **p_first_nil_compseq_tag_def**

ABS: [f?g] **p-conditional**

STM: p-conditional_wf

STM: p-conditional-domain

STM: p-conditional-to-p-first

ABS: p-filter(f) **p-filter**

STM: p-filter_wf

ABS: p-co-filter(f) **p-co-filter**

STM: p-co-filter_wf

STM: can-apply-p-filter

STM: can-apply-p-co-filter

STM: do-apply-p-filter

STM: do-apply-p-co-filter

ABS: p-restrict(f;p) **p-restrict**

STM: p-restrict_wf

ABS: p-co-restrict(f;p) **p-co-restrict**

STM: p-co-restrict_wf

STM: can-apply-p-restrict

STM: can-apply-p-co-restrict

STM: do-apply-p-restrict

STM: do-apply-p-co-restrict

ABS: $f\hat{}n$ **p-fun-exp**

STM: p-fun-exp_wf

STM: p-fun-exp-one

STM: p-fun-exp-compose

STM: p-fun-exp-add

STM: can-apply-fun-exp-add

STM: can-apply-fun-exp-add-iff

STM: simple-primrec-add

STM: p-fun-exp-add1-sq

STM: can-apply-fun-exp

STM: p-fun-exp-add-sq

ABS: p-mu(P;x) **p-mu**

STM: p-mu_wf

STM: p-mu-exists

STM: p-mu-decider

ABS: mu'(P) **mu'**

STM: mu'_wf

STM: can-apply-mu'

STM: do-apply-mu'

STM: member-assert

STM: length_wf_nat

STM: hd_member

ABS: fseg(T;L_1;L_2) **fseg**

STM: fseg_wf

STM: nth_tl_is_fseg

STM: member_nth_tl

STM: nth_tl_append

STM: fseg_append

STM: fseg_extend

STM: fseg_transitivity

STM: fseg_weakening

STM: nil_fseg

STM: fseg_nil

STM: fseg_length

STM: filter_fseg

STM: fseg_member

STM: fseg_select

ABS: lastn(n;L) **lastn**

STM: lastn_wf

STM: length-lastn

ABS: adjacent(T;L;x;y) **adjacent**

STM: adjacent_wf

STM: adjacent-nil

STM: adjacent-singleton

STM: adjacent-cons

STM: simplify-equal-imp

STM: equal-top

ABS: p-inject(A;B;f) **p-inject**

STM: p-inject_wf

STM: p-compose-inject

STM: p-fun-exp-injection

STM: subtype-top

STM: subtype_rel-equal

STM: subtype_rel_self

STM: fun_exp_add-sq

STM: decidable__implies_better

STM: subtype_rel_function

STM: subtype_rel_dep_function

STM: subtype_rel_dep_function_iff

STM: subtype_rel_product

STM: subtype_rel_dep_product_iff

STM: subtype_rel_sum

STM: subtype_rel_set

STM: subtype_rel_list

STM: subtype_rel_transitivity

ABS: $A \supseteq\mathrm{r}\ B$ **rev_subtype_rel**

STM: rev_subtype_rel_wf

ABS: $A \equiv B$ **ext-eq**

STM: ext-eq_wf

STM: ext-eq_weakening

STM: ext-eq_inversion

STM: ext-eq_transitivity

STM: subtype_rel_functionality_wrt_iff

STM: subtype_rel_functionality_wrt_implies

STM: subtype_rel_weakening

STM: rev_subtype_rel_weakening

STM: list-subtype

STM: nil_member-variant

STM: member-exists

STM: member-exists2

STM: sub-equality

STM: l_all_wf2

STM: null-ite

STM: typed-null-ite

STM: decidable__equal_union

STM: decidable__equal_unit

STM: length-append

STM: filter-commutes

STM: null_wf3

STM: member-zip

STM: adjacent-append

STM: adjacent-before

STM: adjacent-member

STM: adjacent-sublist

STM: hd-before

STM: before-hd

STM: last-not-before

STM: before-adjacent

STM: before-adjacent2

STM: adjacent-to-same

STM: adjacent-to-same-sublist

STM: adjacent-to-same-sublist2

STM: adjacent-to-last

STM: no_repeats-sublist

STM: sublist-same-last

STM: decidable__equal_product

STM: decidable__equal_nat_plus

STM: decidable__equal_nat

STM: member-decide-assert

STM: filter_wf2

STM: no_repeats_filter2

STM: filter_tt

STM: filter_type2

STM: filter_wf3

STM: general-append-cancellation

STM: append-cancellation

STM: append-impossible

STM: append-impossible2

STM: append-cancellation-right

STM: append_iseg

STM: iseg_append_iff

STM: iseg_append_single

STM: iseg_append_length

STM: list_accum_append

STM: last_induction

STM: last-cons

STM: last_append

STM: list_accum_functionality

STM: list_accum_filter

STM: p-first-append

STM: p-first-cons

STM: can-apply-p-first

STM: do-apply-p-first

ABS: p-disjoint(A;f;g) **p-disjoint**

STM: p-disjoint_wf

STM: compat-iff-common-iseg

ABS: $A \subseteq B$ **l_contains**

STM: l_contains_wf

STM: l_contains_weakening

STM: l_contains_nil

STM: nil-contains

STM: l_contains_cons

STM: l_contains_append

STM: l_contains_append2

STM: l_contains_append3

STM: l_contains-append4

STM: l_contains_disjoint

STM: l_disjoint_append

STM: l_disjoint_append2

STM: l_disjoint-symmetry

STM: l_disjoint_singleton

STM: l_disjoint_singleton2

STM: l_disjoint_nil

STM: l_disjoint_nil2

ABS: $\forall x{\in}L.P(x)$ **l-all**

STM: l-all_wf

ABS: $f[x{:=}v]$ **update**

STM: update_wf

ABS: $l[i{:=}x]$ **list_update**

STM: list_update_wf

STM: list_update_select

STM: list_update_length

STM: iseg_antisymmetry

STM: compat-cons

STM: compat-append

STM: compat-append2

STM: compat_symmetry

STM: compat-iseg

STM: compat-iseg2

ABS: sorted-by(R;L) **sorted-by**

STM: sorted-by_wf

ABS: sorted(L) **sorted**

STM: sorted_wf

STM: sorted-cons

STM: sorted-by-cons

STM: sorted-filter

ABS: insert-by(eq;r;x;l) **insert-by**

STM: insert-by_wf

ABS: s-insert(x;l) **s-insert**

STM: s-insert_wf

STM: member-s-insert

STM: member-insert-by

STM: s-insert-sorted

STM: insert-by-sorted-by

STM: s-insert-no-repeats

STM: insert-by-no-repeats

STM: sorted-by-exists

STM: sorted-by-exists2

ABS: s-filter(p;as) **s-filter**

STM: s-filter_wf

ABS: merge(as;bs) **merge**

STM: merge_wf

STM: member-merge

STM: sorted-merge

STM: no_repeats-merge

STM: strict-sorted

ABS: priority-select(f;g;as) **priority-select**

STM: priority-select_wf

STM: priority-select-property

STM: priority-select-inr

STM: not-isl-priority-select

STM: priority-select-tt

STM: priority-select-ff

STM: fun_exp_add_sq

STM: all-but-one

STM: no_repeats_member

ABS: imax-list(L) **imax-list**

STM: imax-list_wf

STM: imax-list-ub

STM: imax-list-lb

STM: imax-list-subset

STM: subset-map

STM: maximal-in-list

STM: member-le-max

STM: l_member_subtype

STM: l_member_subtype2

STM: l_all-nil

STM: l_all_iff

STM: l_all_subtype

ABS: l_interval(l;j;i) **l_interval**

STM: l_interval_wf

STM: length_l_interval

STM: select_l_interval

STM: hd_l_interval

STM: last_l_interval

ABS: ($\forall x$,y∈L. $P(x;y)$) **pairwise**

STM: pairwise_wf

STM: pairwise-nil

STM: pairwise-singleton

STM: pairwise-cons

STM: do-apply-p-first-disjoint

ABS: inv-rel(A;B;f;*finv*) **inv-rel**

STM: inv-rel_wf

STM: inv-rel-inject

STM: hd-filter

STM: find-hd-filter

STM: list-set-type

STM: list-set-type-property

STM: list-set-type-member

STM: list-set-type2

STM: list-set-type3

STM: list-equal-set

STM: l_member_set

STM: l_member_set2

STM: l_member-set

STM: member_map2

STM: no-repeats-pairwise

STM: member-mapfilter

STM: mapfilter-append

STM: map-wf2

STM: wellfounded-anti-reflexive

STM: no-member-sq-nil

STM: l_before_append_iff

STM: append_assoc_sq

STM: append-nil

STM: nil-iff-no-member

STM: tl_sublist

ABS: dectt(d) **dectt**

STM: dectt_wf

STM: assert-dectt

STM: inr_equal

STM: inl_equal

STM: inl_eq_inr

STM: inr_eq_inl

ABS: finite-type(T) **finite-type**

STM: finite-type_wf

STM: finite-type-iff-list

STM: finite-type-bool

STM: finite-set-type

STM: finite-decidable-set

STM: finite-subtype

STM: map-map

STM: map_is_nil

STM: map-id

STM: length-map

STM: length-map-sq

STM: select-map

STM: pairwise-map

STM: pairwise-map2

STM: general_length_nth_tl

STM: nth_tl_nil

ABS: mu(f) **mu**

STM: mu_wf

STM: mu-wf2

STM: mu-property

STM: mu-property2

STM: mu-bound

STM: mu-bound-property

STM: mu-bound-property+

STM: mu-bound-unique

ABS: upto(n) **upto**

STM: upto_wf

STM: length_upto

STM: upto_is_nil

STM: upto_decomp

STM: upto_iseg

STM: select_upto

STM: member_upto

STM: member_upto2

STM: before-upto

STM: list-eq-set-type

STM: before-map

STM: filter_append_sq

STM: filter_map_upto

STM: filter_map_upto2

STM: member-firstn

STM: first0

STM: firstn_decomp2

STM: append_firstn_lastn_sq

STM: last-lemma-sq

STM: last-map

STM: firstn_firstn

STM: firstn_last

STM: firstn_append

STM: firstn_length

STM: firstn_all

STM: firstn_map

STM: firstn_upto

STM: map_is_append

STM: map_is_cons

STM: decidable-last-rel

STM: decidable-exists-iseg

STM: decidable__l_exists_better-extract

STM: decidable__l_all-better-extract

STM: first-iseg

STM: iseg-transition-lemma

ABS: concat(ll) **concat**

STM: concat_wf

STM: concat_append

STM: concat-cons

STM: concat-nil

STM: map-concat

STM: filter-concat

STM: select_concat

STM: member-concat

STM: l_member_decomp

STM: concat-decomp

STM: last-concat

STM: concat_iseg

STM: concat_map_upto

STM: concat-is-nil

STM: finite-type-product

STM: finite-type-union

STM: finite-type-unit

ABS: star-append(T;P;Q) **star-append**

STM: star-append_wf

STM: star-append-iff

STM: finite-set-type-cases

ABS: mapl(f;l) **mapl**

STM: mapl_wf

STM: member-mapl

STM: pairwise-mapl

STM: pairwise-mapl-no-repeats

STM: no_repeats_map

STM: no_repeats-append

STM: member-reverse

STM: no_repeats_reverse

STM: length-reverse

STM: reverse-append

STM: reverse-reverse

STM: sublist-reverse

STM: last-reverse

STM: hd-reverse

STM: adjacent-reverse

ABS: CV(F) **CV**

STM: CV_wf

STM: CV_property

ABS: b = accum(z,x.f(z;x),a,{x∈X|P(x)}) **accum_filter_rel**

STM: accum_filter_rel_wf

STM: accum_filter_rel_nil

STM: concat-map-decide

STM: map-decide

STM: concat-map-map-decide

STM: void-list-equality

STM: void-list-equality2

STM: void-list-equality3

STM: equal-nil-lists

ABS: SWellFounded($R(x;y)$) **strongwellfounded**

STM: strongwellfounded_wf

STM: strongwf-implies

STM: strongwf-monotone

ABS: p-graph($A;f$) **p-graph**

STM: p-graph_wf

STM: p-graph_wf2

ABS: final-iterate($f;x$) **final-iterate**

STM: final-iterate_wf

STM: final-iterate-property

STM: same-final-iterate-one-one

ABS: $R|P$ **rel-restriction**

STM: rel-restriction_wf

STM: rel-restriction-implies

STM: restriction-of-transitive

STM: restriction-to-field

ABS: $R\hat{}+$ **rel_plus**

STM: rel_plus_wf

STM: rel_plus_trans

STM: rel_plus_strongwellfounded

STM: rel_plus_implies

STM: rel_plus_implies2

STM: rel_exp_iff

STM: rel_exp_iff2

STM: rel_exp_one

STM: rel_plus_closure

STM: rel_star_iff

STM: rel_star_iff2

STM: rel-star-iff-rel-plus-or

ABS: rel-path(R;L) **rel-path**

STM: rel-path_wf

ABS: rel-path-between(T;R;x;y;L) **rel-path-between**

STM: rel-path-between_wf

STM: rel-path-between-cons

STM: rel_exp-iff-path

STM: rel_star-iff-path

STM: rel-rel-plus

STM: rel-star-rel-plus

STM: rel-star-rel-plus2

STM: rel-plus-rel-star

STM: rel_plus_iff

STM: rel_plus_iff2

STM: rel_plus_monotone

STM: rel_plus_functionality_wrt_rel_implies

STM: rel_star_functionality_wrt_rel_implies

STM: rel_exp_functionality_wrt_rel_implies

STM: rel_plus_functionality_wrt_brle

STM: rel_star_functionality_wrt_brle

STM: rel_exp_functionality_wrt_brle

STM: rel_plus_functionality_wrt_breqv

STM: rel_star_functionality_wrt_breqv

STM: rel_exp_functionality_wrt_breqv

STM: rel_plus_minimal

STM: rel_plus_idempotent

STM: rel_exp_functionality_wrt_iff

STM: rel_plus_functionality_wrt_iff

STM: rel_plus_field

STM: rel_plus-of-restriction

STM: rel_plus-restriction-equiv

ABS: one-one(A;B;R) **one-one**

STM: one-one_wf

STM: rel_exp-one-one

STM: rel-exp-add-iff

STM: map-upto-length

STM: filter-equals

STM: implies-filter-equal

ABS: l-ordered(T;x,y.R(x;y);L) **l-ordered**

STM: l-ordered_wf

STM: no_repeats-before-equality

STM: l-ordered-no_repeats

STM: no_repeats-permute

STM: l_member-permute

STM: split-at-first

STM: l-ordered-equality

STM: transitive-loop

STM: transitive-loop2

ABS: Generic{f:$\mathbb{N}$ $\rightarrow T|S(f)$} **generic**

STM: generic_wf

STM: generic-non-empty

STM: pair-coding-exists

STM: finite-sequence-coding-exists

STM: generic-countable-intersection

ABS: $|a/b$ - $p/q| < 1/m$ **ratio-dist**

STM: ratio-dist_wf

ABS: $\mathbb{B}$size(k;f) **bool-size**

STM: bool-size_wf

ABS: #{i<j|f i eq x} **seq-count**

STM: seq-count_wf

ABS: frequency(f;x) $\sim$ (p/q) **frequency**

STM: frequency_wf

ABS: derived-seq(f;s) **derived-seq**

STM: derived-seq_wf

ABS: eq_seq(eq) **eq_seq**

STM: eq_seq_wf

ABS: exp(i;n) **exp**

STM: exp_wf

ABS: let a,b,c,d,e,f,g,h = u in v(a;b;c;d;e;f;g;h) **spread8**

STM: decidable__wellfound-bounded-exists

STM: wellfounded-minimal

STM: wellfounded-minimal-field

STM: closure-well-founded-total

ABS: R! **rel-immediate**

STM: rel-immediate_wf

STM: rel-immediate_functionality_wrt_iff

STM: rel-immediate_functionality_wrt_breqv

STM: rel-plus-rel-immediate

STM: rel-immediate-rel-plus

STM: rel-immediate-exists

ABS: sum_of_torder(T;R) **sum_of_torder**

STM: rel-is-immediate

STM: sum_of_torder_wf

STM: rel-immediate-property

STM: rel-immediate-preserves-order

STM: mutual-primitive-recursion

ABS: $A \sim B$ **equipollent**

STM: equipollent_wf

STM: equipollent_weakening

STM: equipollent_inversion

STM: equipollent_transitivity

STM: product_functionality_wrt_equi[pollent_left

STM: product_functionality_wrt_equipollent_right

STM: equipollent_functionality_wrt_equipollent

STM: function_functionality_wrt_equipollent_left

STM: function_functionality_wrt_equipollent_right

STM: equipollent_interval

STM: equipollent-multiply

STM: equipollent-zero

STM: equipollent-void-domain

STM: equipollent-exp

ABS: $P_1 \vee P_2$ **predicate_or**

STM: predicate_or_wf

ABS: $P_1 \Rightarrow P_2$ **predicate_implies**

STM: predicate_implies_wf

ABS: $P_1 \Leftarrow P_2$ **predicate_rev_implies**

STM: predicate_rev_implies_wf

ABS: $P_1 \Longleftrightarrow P_2$ **predicate_equivalent**

STM: predicate_equivalent_wf

STM: predicate_equivalent_implies

STM: predicate_implies_weakening

STM: predicate_rev_implies_weakening

STM: predicate_equivalent_weakening

STM: predicate_implies_reflexivity

STM: predicate_implies_transitivity

STM: predicate_equivalent_transitivity

STM: predicate_equivalent_inversion

STM: predicate_or_idempotent

STM: rel_or-restriction

ABS: $R_1 \Longleftrightarrow R_2$ **rel_equivalent**

STM: rel_equivalent_wf

STM: rel_equivalent_weakening

STM: rel_implies_weakening

STM: rel_implies_transitivity

STM: rel_equivalent_transitivity

STM: rel_equivalent_inversion

ABS: $R_1 \Leftarrow R_2$ **rel_rev_implies**

STM: rel_rev_implies_wf

STM: rel_rev_implies_weakening

STM: rel_implies_functionality

STM: rel_or_idempotent

ABS: $y{=}f{*}(x)$ via L **fun-path**

STM: fun-path_wf

STM: fun-path-member

STM: fun-path-cons

STM: fun-path-fixedpoint

STM: fun-path-append

ABS: y is $f*(x)$ **fun-connected**

STM: fun-connected_wf

STM: fun-connected-induction

STM: fun-path-induction

ABS: $y = f+(x)$ **strict-fun-connected**

STM: strict-fun-connected_wf

STM: strict-fun-connected_irreflexivity

STM: fun-connected_weakening_eq

STM: fun-connected_weakening

STM: fun-connected-step

STM: fun-connected-step-back

STM: strict-fun-connected-step

STM: strict-fun-connected-induction

STM: fun-connected_transitivity

STM: fun-connected-test

STM: fun-connected-tree

STM: fun-connected-fixedpoint

STM: fun-path-member-connected

STM: fun-path-before

ABS: retraction(T;f) **retraction**

STM: retraction_wf

STM: retraction-fun-path

STM: fun-connected_antisymmetry

STM: strict-fun-connected_transitivity1

STM: strict-fun-connected_transitivity2

STM: strict-fun-connected_transitivity3

STM: fun-path-no_repeats

STM: retraction-fun-path-before

STM: retraction-fixedpoint

STM: strong-fun-connected-induction

STM: decidable__fun-connected

STM: between-fun-connected

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http://www.nuprl.org/FDLcontent/p0_963683_/p26_61756_{general}.html