

int_2^{13,42}

COM: int_2.begin

COM: int_2.summary

COM: int_2.intro

STM: int_trichot

STM: le.transitivity

STM: lt.transitivity_1

STM: lt.transitivity_2

STM: eq.to.le

STM: lt.to.le

STM: le.to.lt.weaken

STM: lt.to.le.rw

STM: le.to.lt

STM: le.to.lt.rw

STM: add.ident

STM: add.com

STM: add.functionality_wrt_le

STM: add.functionality_wrt_lt

STM: add.functionality_wrt_eq

STM: add.cancel.in.eq

STM: add.cancel.in.lt

STM: add.cancel.in.le

STM: add.mono.wrt.eq

STM: add.mono.wrt.eq.rw

STM: add.mono.wrt.lt

STM: add.mono.wrt.lt.rw

STM: add_mono_wrt_le
STM: add_mono_wrt_le_rw
STM: minus_functionality_wrt_le
STM: minus_mono_wrt_le
STM: minus_functionality_wrt_eq
STM: minus_mono_wrt_eq
STM: minus_functionality_wrt_lt
STM: minus_mono_wrt_lt
STM: sub_functionality_wrt_le
STM: minus_minus_cancel
STM: mul_ident
STM: mul_com
STM: zero_ann
STM: zero_ann_a
STM: zero_ann_b
STM: minus_thru_mul
STM: mul_preserves_eq
STM: mul_preserves_lt
STM: mul_preserves_le
STM: mul_cancel_in_eq
STM: mul_cancel_in_lt
STM: mul_cancel_in_le
COM: mul_fun_comment
STM: multiply_functionality_wrt_le
STM: mul_functionality_wrt_eq
STM: int_entire
STM: int_entire_a

STM: mul_bounds_1a
STM: mul_bounds_1b
STM: pos_mul_arg_bounds
STM: neg_mul_arg_bounds
COM: add_nat_wf_com
STM: add_nat_wf
STM: multiply_nat_wf
COM: quasi_lin_com
ABS: $|i|$ **absval**
STM: absval_wf
STM: comb_for_absval_wf
STM: absval_pos
STM: absval_neg
ABS: $i = \pm j$ **pm_equal**
STM: pm_equal_wf
STM: absval_zero
STM: absval_ubound
STM: absval_lbound
STM: absval_eq
STM: absval_sym
STM: absval_elim
ABS: $\text{imax}(a;b)$ **imax**
STM: imax_wf
STM: comb_for_imax_wf
ABS: $\text{imin}(a;b)$ **imin**
STM: imin_wf
STM: comb_for_imin_wf

STM: minus_imax
STM: minus_imin
STM: imax_lb
STM: imax_ub
STM: imax_add_r
STM: imax_assoc
STM: imax_com
STM: imin_assoc
STM: imin_com
STM: imin_add_r
STM: imin_lb
STM: imin_ub
ABS: $a - b$ **ndiff**
STM: ndiff_wf
STM: comb_for_ndiff_wf
STM: ndiff_id_r
STM: ndiff_ann_l
STM: ndiff_inv
STM: ndiff_ndiff
STM: ndiff_ndiff_eq_imin
STM: ndiff_add_eq_imax
STM: ndiff_zero
COM: div_rem_com
STM: div_rem_sum
STM: rem_to_div
COM: quadrants_com
STM: rem_bounds_1

STM: rem_bounds_2
STM: rem_bounds_3
STM: rem_bounds_4
STM: div_2_to_1
STM: div_3_to_1
STM: div_4_to_1
STM: rem_2_to_1
STM: rem_3_to_1
STM: rem_4_to_1
STM: rem_sym
STM: rem_antisym
STM: remainder_wf
STM: comb_for_remainder_wf
STM: rem_bounds_z
STM: rem_sym_1
STM: rem_sym_1a
STM: rem_sym_2
STM: rem_mag_bound
STM: div_bounds_1
STM: divide_wf
STM: divide_wfa
ABS: $\text{Div}(a;n;q)$ **div_nrel**
STM: div_nrel_wf
STM: div_fun_sat_div_nrel
STM: div_elim
STM: div_unique
STM: div_lbound_1

ABS: $\text{Rem}(a;n;r)$ **rem_nrel**

STM: rem_nrel_wf

STM: rem_fun_sat_rem_nrel

STM: div_base_case

STM: div_rec_case

STM: rem_base_case

STM: rem_gen_base_case

STM: rem_rec_case

STM: rem_invariant

STM: rem_addition

STM: rem_rem_to_rem

STM: rem_base_case_z

STM: rem_eq_args

STM: rem_eq_args_z

ABS: $a \bmod n$ **modulus**

STM: modulus_wf

ABS: $a \div \lfloor n$ **div_floor**

STM: div_floor_wf

STM: mod_bounds

STM: div_floor_mod_sum

STM: int_mag_well_founded

STM: int_upper_well_founded

STM: int_upper_ind

STM: int_lower_well_founded

STM: int_lower_ind

STM: int_seg_well_founded_up

STM: int_seg_ind

STM: int_seg_well_founded_down

STM: decidable__ex_int_seg

STM: decidable__all_int_seg

COM: int_2_end