

bool_1^{12,41}

COM: bool_1.begin

COM: bool_1.summary

COM: bool_1.intro

COM: BOOL_DEFS

ABS: $\mathbb{B}$ **bool**

ABS: tt **btrue**

ABS: ff **bfalse**

STM: bool_wf

STM: btrue_wf

STM: bfalse_wf

ABS: if b then t else f fi **ifthenelse**

STM: ifthenelse_wf

ABS: $\uparrow b$ **assert**

ABS: $i <_z j$ **lt_int**

STM: assert_wf

STM: comb_for_assert_wf

STM: lt_int_wf

ABS: $\neg_b b$ **bnot**

ABS: $p \wedge_b q$ **band**

ABS: $p \vee_b q$ **bor**

ABS: $i \leq_z j$ **le_int**

STM: btrue_neq_bfalse

STM: bnot_wf

STM: band_wf

STM: bor_wf

STM: bor_ff_simp
 STM: bor_tt_simp
 STM: band_ff_simp
 STM: band_tt_simp
 STM: bnot_bnot_elim
 STM: le_int_wf
 STM: bnot_thru_band
 STM: bnot_thru_bor
 STM: bnot_of_le_int
 STM: bnot_of_lt_int
 ABS: $b2i(b)$ **b2i**
 STM: b2i_wf
 STM: comb_for_b2i_wf
 STM: b2i_bounds
 STM: comb_for_bnot_wf
 STM: comb_for_bor_wf
 STM: comb_for_band_wf
 ABS: $p =_b q$ **eq_bool**
 STM: eq_bool_wf
 ABS: $p \oplus_b q$ **bxor**
 STM: bxor_wf
 ABS: $p \Rightarrow_b q$ **bimplies**
 STM: bimplies_wf
 STM: comb_for_bimplies_wf
 ABS: $p \Leftarrow_b q$ **rev_bimplies**
 STM: rev_bimplies_wf
 ABS: $(i =_0 j)$ **eq_int**

STM: eq_int_wf
 ABS: $x =_a y$ **eq_atom**
 STM: eq_atom_wf
 COM: bool_thms
 STM: bool_cases
 STM: bool_ind
 STM: decidable__equal_bool
 STM: bimplies_weakening
 STM: bimplies_transitivity
 STM: assert_functionality_wrt_bimplies
 COM: bool_tactics_1
 COM: assert_com
 STM: assert_of_tt
 STM: assert_of_ff
 STM: assert_elim
 STM: not_assert_elim
 STM: eqtt_to_assert
 STM: eqff_to_assert
 STM: decidable__assert
 STM: iff_imp_equal_bool
 STM: assert_of_eq_atom
 STM: assert_of_eq_int
 STM: neg_assert_of_eq_int
 STM: neg_assert_of_eq_atom
 STM: assert_of_lt_int
 COM: assert_eqint_rw
 STM: assert_of_eq_int_rw

STM: assert_of_eq_bool
STM: assert_of_bnot
STM: assert_of_band
STM: assert_of_bor
STM: assert_of_bimplies
STM: assert_of_le_int
COM: bool_tactics
STM: ite_rw_test
STM: ite_rw_false
STM: ite_rw_true
STM: fun_thru_ite
COM: old_bool_1_stuff
STM: eq_int_eq_false
STM: eq_int_eq_true
STM: eq_int_eq_false_elim
STM: eq_int_eq_true_elim
STM: eq_int_cases_test
STM: comb_for_lt_int_wf
COM: bool_1_end