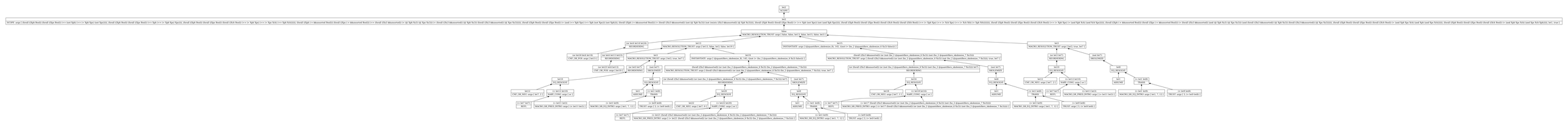
tm1
EQUIV
TCONV: arga { (forall (Xp0 Bool) (forall (Xpx Bool) (>= (not Xp0) (>= (+ Xpl Xpx) (not Xpx)))), (forall (Xp0 Bool) (forall (Xpx Bool) (>= Xp0 (>= (+ Xpl Xpx) (+ Xpl Xpx)))), (forall (Xp0 Bool) (forall (Xpx Bool) (forall (Xb1 Bool) (>= (+ Xpl Xpx) (>= (+ Xpl Xb1) (+ Xpl Xpx))))), (forall (Xp0 Bool) (forall (Xpx Bool) (forall (Xb1 Bool) (>= (+ Xpl Xpx) (>= (+ Xpl Xb1) (+ Xpl Xb1))))), (forall (Xp0 Bool) (forall (Xpx Bool) (forall (Xb1 Bool) (>= (forall (Xb2 bbasetotal) (or (@ Xp0 Xb2) (@ Xpx Xb2))) (>= (forall (Xb2 bbasetotal) (or (@ Xp0 Xb2) (@ Xpl Xb2))) (forall (Xb2 bbasetotal) (or (@ Xpx Xb2))))))), (forall (Xp0 Bool) (forall (Xpx Bool) (forall (Xpy Bool) (forall (Xb1 Bool) (>= (not (>= Xp0 Xpx)) (>= (+ Xp0 Xpy) (>= (+ Xpx Xpy) (+ Xp0 Xb1)))))))), (forall (Xp0 Bool) (forall (Xpx Bool) (forall (Xpy Bool) (forall (Xb1 Bool) (>= (>= Xp0 Xpx) (>= (+ Xp0 Xb1) (+ Xpx Xpy)))))), (forall (Xp0 Bool) (forall (Xpx Bool) (forall (Xpy Bool) (forall (Xb1 Bool) (>= (and Xp0 Xpx) (and Xp0 (and Xpx Xpy))))))), (forall (Xp0 Bool) (forall (Xpx Bool) (forall (Xpy Bool) (forall (Xb1 Bool) (>= (and Xp0 Xpx) (and Xp0 (and Xpx Xb1))))))), tt1, true)}
false
MACRO_REVOLUTION_TRUST: arga { false, false, tm13, false, tm13, false, tm13 }
tm1 tm3 tm14 tm16
REORDERING
tm12
MACRO_REVOLUTION_TRUST: arga { tm13, false, tm3, false, tm13 }
tm11
INSTANTIATE: arga { (@quantifiers_skolemize B1, 0)(), (not (= (bu_2 (@quantifiers_skolemize B1,0)) false))() }
tm2
MACRO_REVOLUTION_TRUST: arga { tm11, true, tm17 }
tm1 tm3 tm14 tm16
CNF_OR_POS: arga { tm11 }
tm1 tm3 tm14 tm22
REORDERING
tm1
MACRO_REVOLUTION_TRUST: arga { tm5, true, tm7 }
tm1
INSTANTIATE: arga { (@quantifiers_skolemize A1, 1)(), (not (= (bu_2 (@quantifiers_skolemize A1,1)) false))() }
(forall (Xb3 bbasetotal) (or (not (bu_2 (@quantifiers_skolemize A1,1))) (not (bu_2 (@quantifiers_skolemize A1,1))))) (or (bu_2 (@quantifiers_skolemize A1,1)) (bu_2 (@quantifiers_skolemize A1,1)))
MACRO_REVOLUTION_TRUST: arga { (forall (Xb3 bbasetotal) (or (not (bu_2 (@quantifiers_skolemize A1,1))) (not (bu_2 (@quantifiers_skolemize A1,1))))), (forall (Xb3 bbasetotal) (or (bu_2 (@quantifiers_skolemize A1,1)) (bu_2 (@quantifiers_skolemize A1,1)))) }
tm1 tm3 tm14 tm15
CNF_OR_POS: arga { tm11 }
tm1 tm3 tm14 tm19
REORDERING
tm1 tm3 tm7
DECLARE
(forall (Xb3 bbasetotal) (or (not (bu_2 (@quantifiers_skolemize A1,1))) (not (bu_2 (@quantifiers_skolemize A1,1))))) (or (bu_2 (@quantifiers_skolemize A1,1)) (bu_2 (@quantifiers_skolemize A1,1)))
MACRO_REVOLUTION_TRUST: arga { (forall (Xb3 bbasetotal) (or (not (bu_2 (@quantifiers_skolemize A1,1))) (not (bu_2 (@quantifiers_skolemize A1,1))))), (forall (Xb3 bbasetotal) (or (bu_2 (@quantifiers_skolemize A1,1)) (bu_2 (@quantifiers_skolemize A1,1)))) }
(forall (Xb3 bbasetotal) (or (not (bu_2 (@quantifiers_skolemize A1,1))) (not (bu_2 (@quantifiers_skolemize A1,1))))) (or (bu_2 (@quantifiers_skolemize A1,1)) (bu_2 (@quantifiers_skolemize A1,1)))
MACRO_REVOLUTION_TRUST: arga { (forall (Xb3 bbasetotal) (or (not (bu_2 (@quantifiers_skolemize A1,1))) (not (bu_2 (@quantifiers_skolemize A1,1))))), (forall (Xb3 bbasetotal) (or (bu_2 (@quantifiers_skolemize A1,1)) (bu_2 (@quantifiers_skolemize A1,1)))) }
tm1 tm3 tm7
DECLARE
tm1 tm3 tm7
DECLARE
tm1 tm3 tm7
DECLARE
tm1 tm3 tm7
DECLARE
tm12
EQ_REFLECT
tm12
CNF_OR_NEG: arga { tm7, 2 }
tm12
NAME_CONG: arga { ut }
tm18
EQ_REFLECT
tm18
CNF_OR_NEG: arga { tm7, 1 }
tm18
NAME_CONG: arga { ut }
tm9
EQ_REFLECT
tm9
ASSUME
tm9
EQ_REFLECT
tm9
ASSUME
tm9
EQ_REFLECT
tm9
ASSUME
tm1
ASSUME
(forall (Xb3 bbasetotal) (or (not (bu_2 (@quantifiers_skolemize A1,1))) (not (bu_2 (@quantifiers_skolemize A1,1))))) (or (bu_2 (@quantifiers_skolemize A1,1)) (bu_2 (@quantifiers_skolemize A1,1)))
MACRO_REVOLUTION_TRUST: arga { (forall (Xb3 bbasetotal) (or (not (bu_2 (@quantifiers_skolemize A1,1))) (not (bu_2 (@quantifiers_skolemize A1,1))))), (forall (Xb3 bbasetotal) (or (bu_2 (@quantifiers_skolemize A1,1)) (bu_2 (@quantifiers_skolemize A1,1)))) }
(forall (Xb3 bbasetotal) (or (not (bu_2 (@quantifiers_skolemize A1,1))) (not (bu_2 (@quantifiers_skolemize A1,1))))) (or (bu_2 (@quantifiers_skolemize A1,1)) (bu_2 (@quantifiers_skolemize A1,1)))
MACRO_REVOLUTION_TRUST: arga { (forall (Xb3 bbasetotal) (or (not (bu_2 (@quantifiers_skolemize A1,1))) (not (bu_2 (@quantifiers_skolemize A1,1))))), (forall (Xb3 bbasetotal) (or (bu_2 (@quantifiers_skolemize A1,1)) (bu_2 (@quantifiers_skolemize A1,1)))) }
tm1 tm7
DECLARE
tm8
EQ_REFLECT
tm1
ASSUME
tm8
EQ_REFLECT
tm8
TRANS
tm1 tm8
ASSUME
tm1 tm7
REFL
tm1 tm8
TRANS
tm1 tm8
MACRO_SR_PRED_INTRO: arga { tm1, 1 }
tm1 tm7
REFL
tm1 tm8
MACRO_SR_PRED_INTRO: arga { tm1, 1 }
tm1 tm8
TRUST: arga { 1 }
tm1 tm8
MACRO_SR_PRED_INTRO: arga { tm1, 1 }
tm1 tm8
TRUST: arga { 1 }
tm1 tm8
MACRO_SR_PRED_INTRO: arga { tm1, 1 }
tm1 tm8
TRUST: arga { 1 }