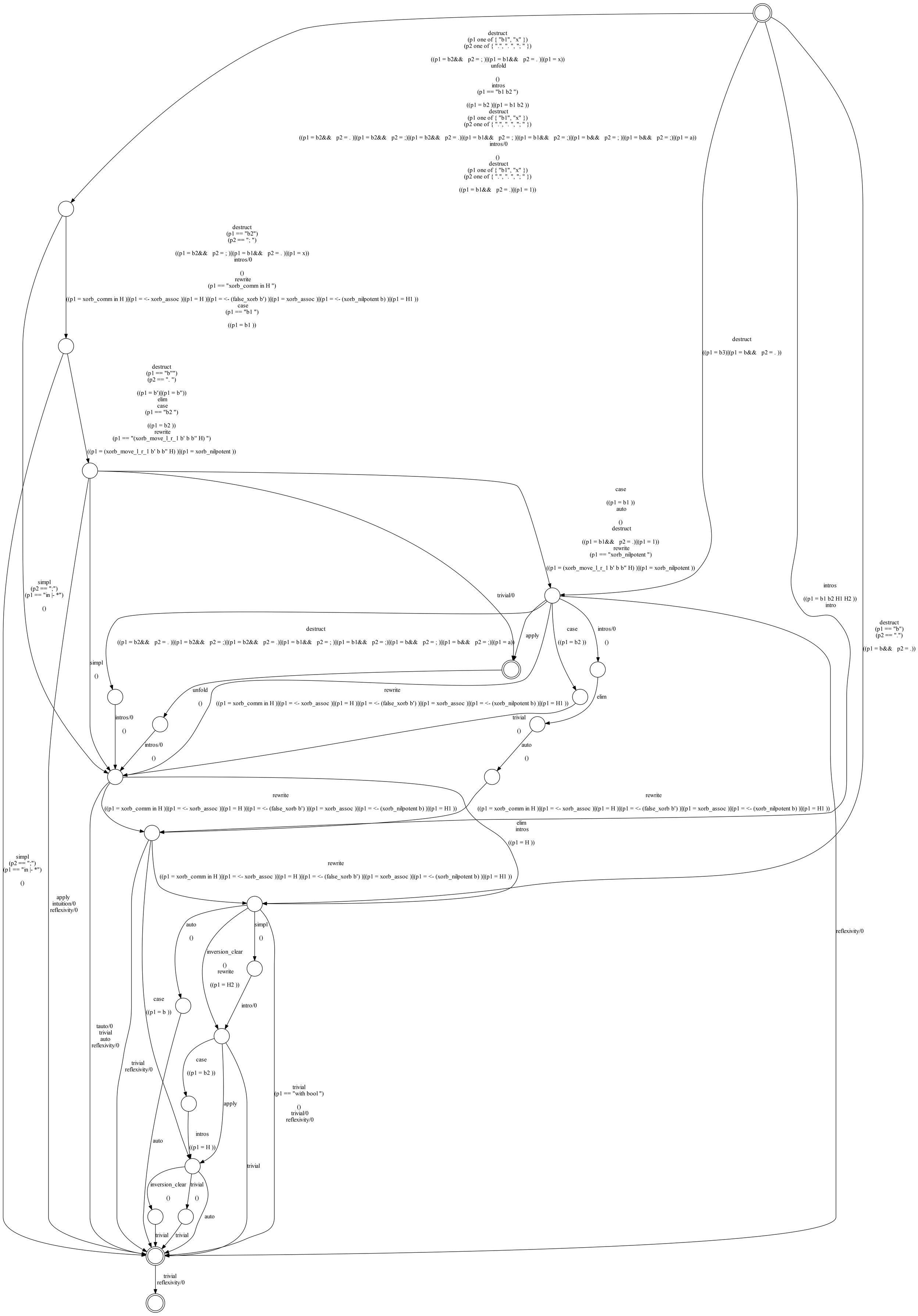
destruct
(p1 one of { "b1", "x" })
(p2 one of { ".", ". ", "; " })
((p1 = b2&& p2 = ;)||(p1 = b1&& p2 = .)||(p1 = x))
unfold
()
intros
(p1 == "b1 b2 ")
((p1 = b2)||(p1 = b1 b2))
destruct
(p1 one of { "b1", "x" })
(p2 one of { ".", ". ", "; " })
((p1 = b2&& p2 = .)||(p1 = b2&& p2 = ;)||(p1 = b2&& p2 = .)||(p1 = b1&& p2 = ;)||(p1 = b1&& p2 = ;)||(p1 = b&& p2 = ;)||(p1 = b&& p2 = ;)||(p1 = a))
intros/0
()
destruct
(p1 one of { "b1", "x" })
(p2 one of { ".", ". ", "; " })
((p1 = b1&& p2 = .)||(p1 = 1))
destruct
(p1 == "b2")
(p2 == "; ")
((p1 = b2&& p2 = ;)||(p1 = b1&& p2 = .)||(p1 = x))
intros/0
()
rewrite
(p1 == "xorb_comm in H ")
((p1 = xorb_comm in H)||(p1 = <- xorb_assoc)||(p1 = H)||(p1 = <- (false_xorb b'))||(p1 = xorb_assoc)||(p1 = <- (xorb_nilpotent b))||(p1 = H1))
case
(p1 == "b1 ")
((p1 = b1))
destruct
((p1 = b3)||(p1 = b&& p2 = .))
destruct
(p1 == "b"")
(p2 == ". ")
((p1 = b')||(p1 = b''))
elim
case
(p1 == "b2 ")
((p1 = b2))
rewrite
(p1 == "(xorb_move_l_r_1 b' b b'' H) ")
((p1 = (xorb_move_l_r_1 b' b b'' H))||(p1 = xorb_nilpotent))
case
((p1 = b1))
auto
()
destruct
((p1 = b1&& p2 = .)||(p1 = 1))
rewrite
(p1 == "xorb_nilpotent ")
((p1 = (xorb_move_l_r_1 b' b b'' H))||(p1 = xorb_nilpotent))
simpl
(p2 == ";")
(p1 == "in |- *")
()
trivial/0
intros
((p1 = b1 b2 H1 H2))
intro
destruct
(p1 == "b")
(p2 == ".")
((p1 = b&& p2 = .))
destruct
((p1 = b2&& p2 = .)||(p1 = b2&& p2 = ;)||(p1 = b2&& p2 = .)||(p1 = b1&& p2 = ;)||(p1 = b1&& p2 = ;)||(p1 = b&& p2 = ;)||(p1 = b&& p2 = ;)||(p1 = a))
apply
case
((p1 = b2))
intros/0
()
simpl
()
unfold
()
rewrite
((p1 = xorb_comm in H)||(p1 = <- xorb_assoc)||(p1 = H)||(p1 = <- (false_xorb b'))||(p1 = xorb_assoc)||(p1 = <- (xorb_nilpotent b))||(p1 = H1))
elim
intros/0
()
trivial
()
intros/0
()
auto
()
rewrite
((p1 = xorb_comm in H)||(p1 = <- xorb_assoc)||(p1 = H)||(p1 = <- (false_xorb b'))||(p1 = xorb_assoc)||(p1 = <- (xorb_nilpotent b))||(p1 = H1))
rewrite
((p1 = xorb_comm in H)||(p1 = <- xorb_assoc)||(p1 = H)||(p1 = <- (false_xorb b'))||(p1 = xorb_assoc)||(p1 = <- (xorb_nilpotent b))||(p1 = H1))
elim
intros
((p1 = H))
simpl
(p2 == ";")
(p1 == "in |- *")
()
rewrite
((p1 = xorb_comm in H)||(p1 = <- xorb_assoc)||(p1 = H)||(p1 = <- (false_xorb b'))||(p1 = xorb_assoc)||(p1 = <- (xorb_nilpotent b))||(p1 = H1))
apply
intuition/0
reflexivity/0
auto
()
simpl
()
inversion_clear
()
rewrite
((p1 = H2))
case
((p1 = b))
intro/0
tauto/0
trivial
auto
reflexivity/0
trivial
reflexivity/0
case
((p1 = b2))
trivial
(p1 == "with bool ")
()
trivial/0
reflexivity/0
apply
intros
((p1 = H))
auto
trivial
inversion_clear
()
trivial
()
auto
trivial
trivial
reflexivity/0
trivial
reflexivity/0