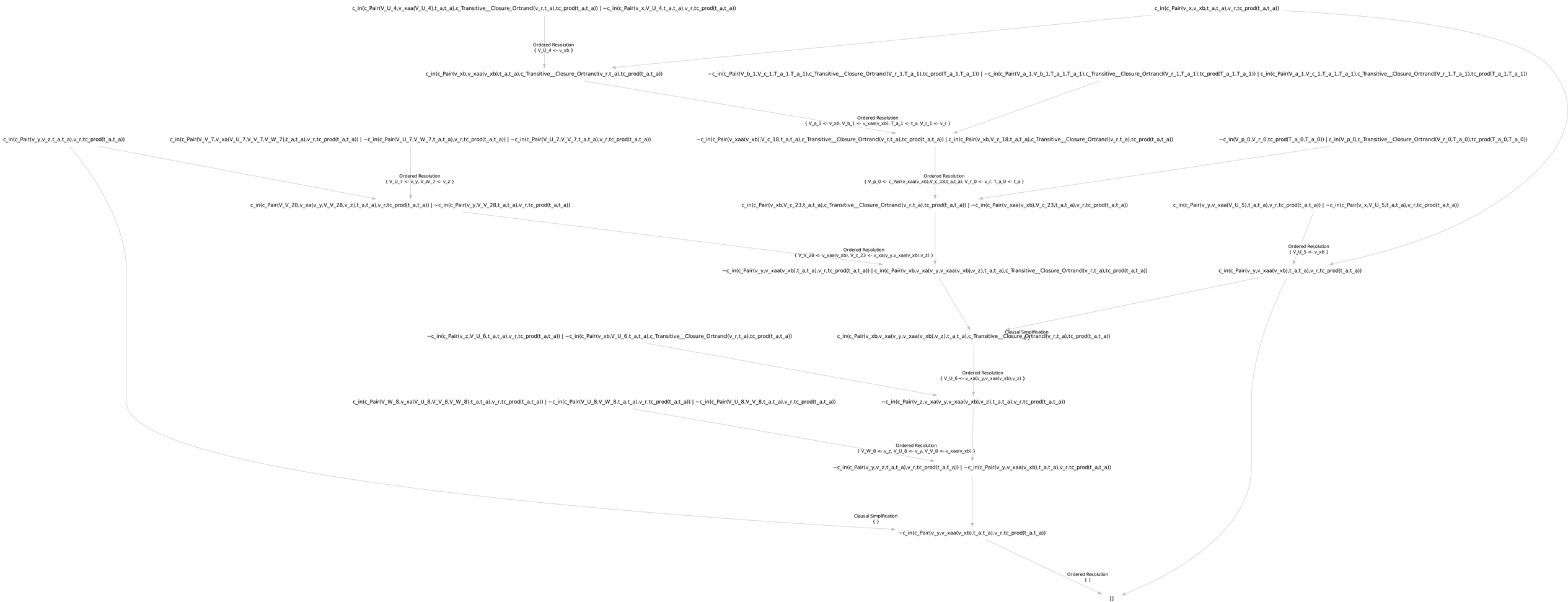
c_in(c_Pair(V_U_4,v_xaa(V_U_4),t_a,t_a),c_Transitive__Closure_Ortrancl(v_r,t_a),tc_prod(t_a,t_a)) | ~c_in(c_Pair(v_x,V_U_4,t_a,t_a),v_r,tc_prod(t_a,t_a))
c_in(c_Pair(v_x,v_xb,t_a,t_a),v_r,tc_prod(t_a,t_a))
Ordered Resolution
{ V_U_4 <- v_xb }
c_in(c_Pair(v_xb,v_xaa(v_xb),t_a,t_a),c_Transitive__Closure_Ortrancl(v_r,t_a),tc_prod(t_a,t_a))
~c_in(c_Pair(V_b_1,V_c_1,T_a_1,T_a_1),c_Transitive__Closure_Ortrancl(V_r_1,T_a_1),tc_prod(T_a_1,T_a_1)) | ~c_in(c_Pair(V_a_1,V_b_1,T_a_1,T_a_1),c_Transitive__Closure_Ortrancl(V_r_1,T_a_1),tc_prod(T_a_1,T_a_1)) | c_in(c_Pair(V_a_1,V_c_1,T_a_1,T_a_1),c_Transitive__Closure_Ortrancl(V_r_1,T_a_1),tc_prod(T_a_1,T_a_1))
Ordered Resolution
{ V_a_1 <- v_xb, V_b_1 <- v_xaa(v_xb), T_a_1 <- t_a, V_r_1 <- v_r }
c_in(c_Pair(v_y,v_z,t_a,t_a),v_r,tc_prod(t_a,t_a))
c_in(c_Pair(V_V_7,v_xa(V_U_7,V_V_7,V_W_7),t_a,t_a),v_r,tc_prod(t_a,t_a)) | ~c_in(c_Pair(V_U_7,V_W_7,t_a,t_a),v_r,tc_prod(t_a,t_a)) | ~c_in(c_Pair(V_U_7,V_V_7,t_a,t_a),v_r,tc_prod(t_a,t_a))
~c_in(c_Pair(v_xaa(v_xb),V_c_18,t_a,t_a),c_Transitive__Closure_Ortrancl(v_r,t_a),tc_prod(t_a,t_a)) | c_in(c_Pair(v_xb,V_c_18,t_a,t_a),c_Transitive__Closure_Ortrancl(v_r,t_a),tc_prod(t_a,t_a))
~c_in(V_p_0,V_r_0,tc_prod(T_a_0,T_a_0)) | c_in(V_p_0,c_Transitive__Closure_Ortrancl(V_r_0,T_a_0),tc_prod(T_a_0,T_a_0))
Ordered Resolution
{ V_U_7 <- v_y, V_W_7 <- v_z }
Ordered Resolution
{ V_p_0 <- c_Pair(v_xaa(v_xb),V_c_18,t_a,t_a), V_r_0 <- v_r, T_a_0 <- t_a }
c_in(c_Pair(V_V_28,v_xa(v_y,V_V_28,v_z),t_a,t_a),v_r,tc_prod(t_a,t_a)) | ~c_in(c_Pair(v_y,V_V_28,t_a,t_a),v_r,tc_prod(t_a,t_a))
c_in(c_Pair(v_xb,V_c_23,t_a,t_a),c_Transitive__Closure_Ortrancl(v_r,t_a),tc_prod(t_a,t_a)) | ~c_in(c_Pair(v_xaa(v_xb),V_c_23,t_a,t_a),v_r,tc_prod(t_a,t_a))
c_in(c_Pair(v_y,v_xaa(V_U_5),t_a,t_a),v_r,tc_prod(t_a,t_a)) | ~c_in(c_Pair(v_x,V_U_5,t_a,t_a),v_r,tc_prod(t_a,t_a))
Ordered Resolution
{ V_V_28 <- v_xaa(v_xb), V_c_23 <- v_xa(v_y,v_xaa(v_xb),v_z) }
Ordered Resolution
{ V_U_5 <- v_xb }
~c_in(c_Pair(v_y,v_xaa(v_xb),t_a,t_a),v_r,tc_prod(t_a,t_a)) | c_in(c_Pair(v_xb,v_xa(v_y,v_xaa(v_xb),v_z),t_a,t_a),c_Transitive__Closure_Ortrancl(v_r,t_a),tc_prod(t_a,t_a))
c_in(c_Pair(v_y,v_xaa(v_xb),t_a,t_a),v_r,tc_prod(t_a,t_a))
~c_in(c_Pair(v_z,V_U_6,t_a,t_a),v_r,tc_prod(t_a,t_a)) | ~c_in(c_Pair(v_xb,V_U_6,t_a,t_a),c_Transitive__Closure_Ortrancl(v_r,t_a),tc_prod(t_a,t_a))
c_in(c_Pair(v_xb,v_xa(v_y,v_xaa(v_xb),v_z),t_a,t_a),c_Transitive__Closure_Ortrancl(v_r,t_a),tc_prod(t_a,t_a))
Clausal Simplification
Ordered Resolution
{ V_U_6 <- v_xa(v_y,v_xaa(v_xb),v_z) }
c_in(c_Pair(V_W_8,v_xa(V_U_8,V_V_8,V_W_8),t_a,t_a),v_r,tc_prod(t_a,t_a)) | ~c_in(c_Pair(V_U_8,V_W_8,t_a,t_a),v_r,tc_prod(t_a,t_a)) | ~c_in(c_Pair(V_U_8,V_V_8,t_a,t_a),v_r,tc_prod(t_a,t_a))
~c_in(c_Pair(v_z,v_xa(v_y,v_xaa(v_xb),v_z),t_a,t_a),v_r,tc_prod(t_a,t_a))
Ordered Resolution
{ V_W_8 <- v_z, V_U_8 <- v_y, V_V_8 <- v_xaa(v_xb) }
~c_in(c_Pair(v_y,v_z,t_a,t_a),v_r,tc_prod(t_a,t_a)) | ~c_in(c_Pair(v_y,v_xaa(v_xb),t_a,t_a),v_r,tc_prod(t_a,t_a))
Clausal Simplification
{ }
~c_in(c_Pair(v_y,v_xaa(v_xb),t_a,t_a),v_r,tc_prod(t_a,t_a))
Ordered Resolution
{ }
[]