formal domain
Prolog rule base

rules
terminal(X) :-
    not(is_precondition_to(X, _)),
    ...

terminal_contrained_observer(X) :-
    terminal(X),
    ...

semantic inferences
TPSA1 isPreconditionTo
    TPSA2

facts
is_precondition_to(
    TPSA1,
    TPSA2).

semantic reasoner
Pellet

compiler
CVC

Prolog compiler
SWI-Prolog

Prolog reasoning
terminal(TPSA2).
terminal_contrained_observer(TPSA2).