1. p :- p

{p} **this model is not minimal**

{ø} **this model is minimal**

1. p :- not p.

{p} **not a model**

{ø} **not a model**

1. a :- not b.

~~{not b, a}~~

{a}

~~{b, not a}~~

1. a :- not b.

b :- not a.

p :- a.

{a, p, not b}

1. p :- not p, d .

q v r :- not d.

d :- not r.

-q.

{not q, not r, d, p}

{not q, d, p}

1. Need to be ground

p(X, Y) :- q(X, Y), not t(X, Y).

t(X, Y) v q(X, Y) :- r(X), s(Y).

r(a).

s(b).

X = Y = a

p(a, a) :- q(a, a), not t(a, a).

t(a, a) v q(a, a) :- r(a), s(a).

r(a).

s(b).

{s(b), r(a), }

X = Y = b

p(b, b) :- q(b, b), not t(b, b).

t(b, b) v q(b, b) :- r(b), s(b).

r(a).

s(b).

{s(b), r(a)}

X = a, Y = b

p(a, b) :- q(a, b), not t(a, b).

t(a, b) v q(a, b) :- r(a), s(b).

r(a).

s(b).

{s(b), r(a), q(a,b), p(a,b), not t(a,b)}

{s(b), r(a), t(a,b), not q(a,b)}

X = b, Y = a

p(b, a) :- q(b, a), not t(b, a).

t(b, a) v q(b, a) :- r(b), s(a).

r(a).

s(b).

{s(b), r(a)}