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Antimonotonic (SLG12)

$I_4 \subseteq I_6$  (increasingly / uncorrectly)

antimonotonicity:

$T_{P_{I_4}}^{\omega}(\emptyset) \supseteq T_{P_{I_6}}^{\omega}(\emptyset)$

$\downarrow$   $I_5$   $\downarrow$   $I_7$

decreasingly seq of overshoots

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614 wh(x) :- wac(x,y), wh(y)

$I_0 = \emptyset$

$P_{I_0} = \{$   ~~$wh(a) :- wac(a,b), wh(b)$~~  ✓  
 ~~$wh(b) :- wac(b,c), wh(c)$~~   
 ~~$wh(c) :- wac(c,d), wh(d)$~~   $\} = P^-$

$T_{I_0}^w = \{ wh(a), wh(b), wh(c) \} = I_1$

$P_{I_1} = \text{see above}$

$T_{P_{I_1}}^w(\emptyset) = \{ wh(c) \} = I_2$

$P_{I_2} = \text{see above}$

$T_{P_{I_2}}^w(\emptyset) = \{ wh(a), wh(b), wh(c) \} = I_3$

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person(x) → male(x) ∨ female(x)

	male	female
male	T	T
female	T	T

T

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two-valued:

$$T_P\text{-operator: } \mathcal{H}_0 \rightarrow \mathcal{H}_1$$

Set of true atoms  $\rightarrow$  Set of true atoms  
all others are false

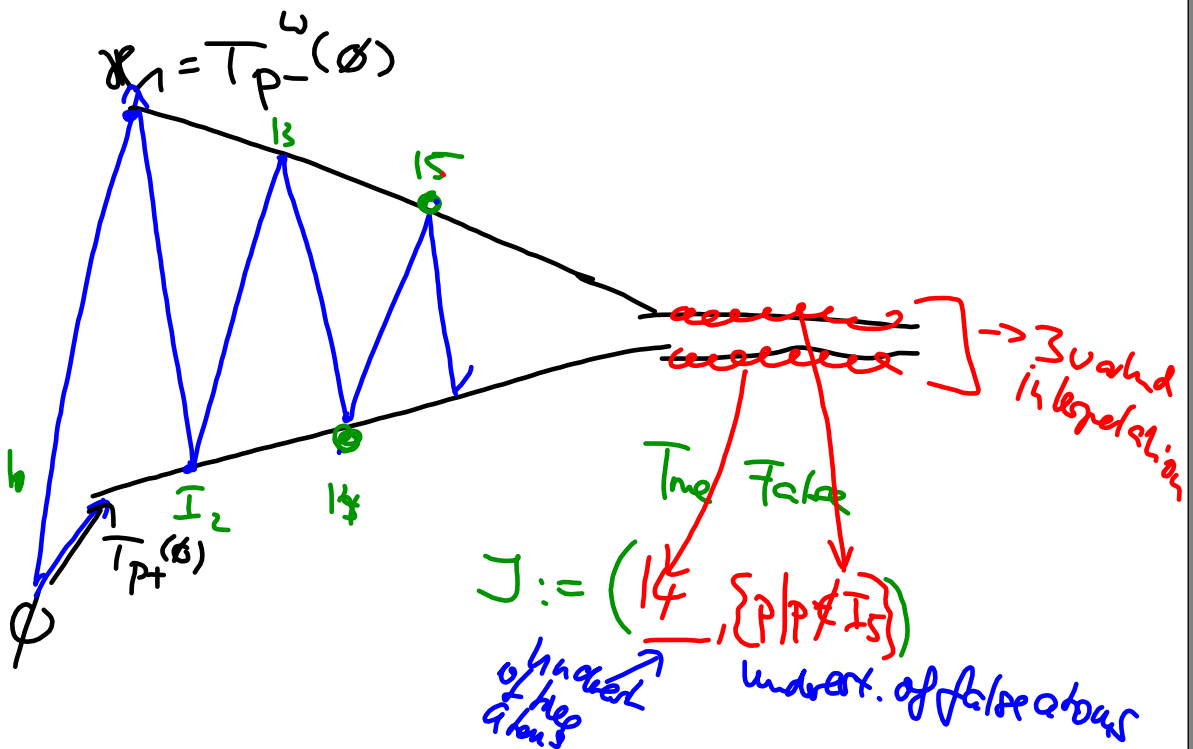
Three-valued:

- set of true atoms
- set of false atoms

$\rightarrow$  Set of true atoms  
Set of false atoms

Knowledge  
 $\rightarrow$   
Knowledge

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