```
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$$\frac{\dot{F}}{\frac{F}{\bar{S}F \approx SS}}$$
$$\overline{\vee D)\sigma L \vee C \neg L' \vee D where L\sigma C\sigma \neg L'\sigma D\sigma\sigma = (L, L')}$$

$[](L \vee C)\sigma(\neg L' \vee D)\sigma L \vee C \neg L' \vee D$

$(L \vee C) = L(\neg L' \vee D) = \neg L'\sigma = (L, L')$

$\overline{\mapsto][y \mapsto]\neg(y)()(x) \vee \neg(y)\neg()_0\bot = \{(\bot) \vee \neg(\bot), \neg(), ()\} * satisfiable[x \mapsto]() \vee \neg(y)(x) \vee \neg(y))\neg()S_1\bot\{\neg(), (), () \vee \neg(\bot)\}}$

$\{\}\exists\theta C\theta \subseteq D * CsubsumesDSsatisfiable \iff (S \setminus D)satisfiable\theta isproper, S \bot satisfiable \Leftarrow\Rightarrow (S \setminus D) \bot satisfiable\theta isr$
$\{\}\{\}\{\}\{\}\{\}\{\}\{\}\{\}\{\}\{\}11212{*}{*}{*}{*}\neg\neg((,z)) \mapsto \{.1..1.,.1..2.*\} \mapsto \{6\} \cap \{2,4,6\}$
$\ell_1((x,y)), \ell_2((x,())), \ell_3(((),))\ell_1 \mapsto ..*.*$ $\ell_2 \mapsto ..*..$ $\ell_3 \mapsto ....$

. { ¬((,)), (x,) = x}∗ unsatisfiable S⊥ = {(), ¬((,)), (⊥,) = ⊥}∗ satisfiable ≠ y∨ ¬()∨ (y)∗ , congruence ≠ s x ≠ y∨ y = xs ≠ t x ≠ y∨ y ≠ z∨ x = zs ≠ t x1 ≠ y1∨ x2 ≠ y2∨ (x1, x2) = (y1, y2)(s1, s2) ≠ (t1, t2) x ≠ y∨ ¬(x)∨ (y)(s) x ≠ y∨ ¬(x)∨ (y)¬(s) Sym- me- try re- flex- iv- ity con- gru- ence ≠ y∨ y = x[x1 ↦ x, x2 ↦ x, y1 ↦ y, y2 ↦ x]x ≠ y ∨ x ≠ x ∨ x ≠ x ∨ y = x[C]x1 ≠ y1 ∨ x2 ≠ y2 ∨ x1 ≠ x2 ∨ y1 = y2 ≠ y∨ y ≠ z∨ x = z[x1 ↦ x, x2 ↦ y, y1 ↦ x, y2 ↦ z]x ≠ x ∨ y ≠ z ∨ x ≠ y ∨ x = z[C]x1 ≠ y1 ∨ x2 ≠ y2 ∨ x1 ≠ x2 ∨ y1 = y2

$\exists a_1 \dot{\dots} a_m \forall y_1 \dots y_n \, F$

F

$x^{\vee}_{(,x),} \neq (y,)$