

Problem Set 07: GPL Trees (Questions)

1. Use a tree to test whether the following are equivalent. If they are not, then read a countermodel off the tree.

(a) $((Ga \vee Ga) \wedge \neg \exists x \neg Gx), \neg \exists x \neg (Gx \vee Gx)$

2. Use a tree to test whether the following propositions are jointly satisfiable. If they are not, then read a countermodel off the tree.

(a) $(Kcc \vee \forall x Lcx), (Kab \wedge \neg Lbc)$