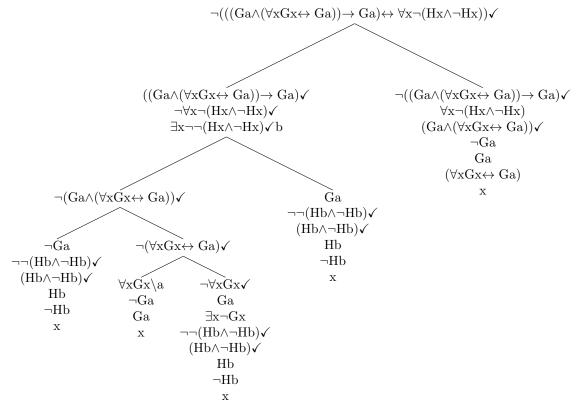
## Problem Set 07: MPL Trees (Answers)

- 1. Use a tree to test whether the following are equivalent. If they are not, then read a countermodel off the tree.
  - (a)  $((Ga \land (\forall xGx \leftrightarrow Ga)) \rightarrow Ga), \forall x \neg (Hx \land \neg Hx)$
  - (b) Answer:



- 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)  $\forall x \neg Bx$ , (Bc $\rightarrow \neg Ab$ ), ( $\exists x \neg Bx \leftrightarrow Aa$ )
  - (b) Answer:

