Inference at ∗
 of proof for Lemma simplify-equal-imp:

⊢ ∀T:Type, x, y, z:T. $(\neg(y = z)) \Rightarrow (((x = y) \Rightarrow (x = z)) \Longleftrightarrow (\neg(x = y)))$
   by Auto
THEN ParallelOp (-2)
THEN ThinTrivial THEN Auto

   .