PHIL1012 INTRODUCTION TO LOGIC

PROBLEM SET 7 (S2 2021)

Submit your answers to Problem Set 7 via Canvas before 23:59, Wednesday of Week 10.

1. Determine using a tree whether the following two propositions are equivalent. If they are not equivalent, read off from your tree a model in which one proposition is true and the other is false.

$$\forall x (Px \to Gc)$$
$$\forall x Px \to Gc$$

2. Determine using a tree whether the following argument is valid. If it is not valid, read off a counterexample from your tree.

 $\forall y (Fy \rightarrow \neg Gy)$

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