

Exercises 6 — Applied Logic

1. Exercise 1.1.1 in the handout [E]: *Equational Logic, Unification and Term Rewriting*, Lecture notes E. Palmgren 2007.
 2. Exercise 1.1.2 in [E].
 3. Decide whether the term rewriting system in Example 2.2 of [E] is complete. Is $x_1 + x_2 = x_2 + x_1$ provable in the corresponding equational theory? Determine all normal forms.
 4. Exercise 1.2.1 in [E].
 5. Exercise 1.2.2 in [E].
 6. Problem 8.4.1 in Gallier (2003)
 7. Problem 8.4.2 in Gallier (2003)
 8. Problem 8.4.4 in Gallier (2003)
 9. Problem 8.5.1 in Gallier (2003)
 10. Problem 8.5.2 in Gallier (2003)
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