

Logic 1, WS 2009. Homework 4, given Nov 12, due Nov 19.

1. Give unique-goal sequent rules for the truth constants.
2. Construct an unique-goal sequent calculus proof for the following formula:

$$((A \wedge B) \Rightarrow C) \Rightarrow ((A \Rightarrow C) \vee (B \Rightarrow C))$$

3. Develop the formal proof of the correctness of the resolution rule.