

Logic 1, WS 2008. Homework 4, given Nov 20, due Nov 27.

1. Complete the proof of the correctness of the resolution rule as done in the lecture.
2. Construct sequent calculus proofs for at least two of the following formulae:
 - $((A \Rightarrow C) \wedge (B \Rightarrow C)) \Rightarrow ((A \vee B) \Rightarrow C)$
 - $((A \vee B) \Rightarrow C) \Rightarrow ((A \Rightarrow C) \wedge (B \Rightarrow C))$
 - $((A \Rightarrow C) \vee (B \Rightarrow C)) \Rightarrow ((A \wedge B) \Rightarrow C)$
 - $((A \wedge B) \Rightarrow C) \Rightarrow ((A \Rightarrow C) \vee (B \Rightarrow C))$