

Logic 1, WS 2016. Homework 8, given Dec 15, due Jan 12.

1. Develop the sequent rules for existential quantified formulae in the goal and in the assumptions, using the rules for universally quantified formulae.
2. Develop the sequent rules for the quantified conditional goal (universal, existential) using the other rules.
3. Prove by sequent calculus: $(\exists_x P[x]) \Rightarrow Q \equiv \forall_x (P[x] \Rightarrow Q)$.