

Logic 1, WS 2008. Homework 10, given Jan 15, due Jan 22.

1. Prove using sequent calculus:

$$(\exists x P[x]) \Rightarrow Q \vdash \forall x (P[x] \Rightarrow Q)$$

2. Prove using sequent calculus:

$$\exists x (P[x] \Rightarrow Q) \vdash (\forall x P[x]) \Rightarrow Q$$