

Justification Logic
Instructor: S. Artemov

March 28, 2007
Homework 7, due April 17.

Exercise 1. Read the draft paper attached. Report any typos, omissions, errors, etc.

Exercise 2 Prove Internalization for J: if $\Gamma \vdash F$ then $x:\Gamma \vdash t(x):F$ for some $t(x)$.

Exercise 3. Write down a proof of soundness and completeness of AJ4, a.k.a. LP with respect to Fitting semantics.

Exercise 4. Formalize Gettier Example II in J. Derive Gettier's conclusion formally in J. Feel free to use the Internalization Property for J.