Theorem Proving and Equality

Exercise 18 *We come back here to Exercise 10:*

Using resolution with paramodulation prove that left inverse is also the right inverse in a group theory.

($e = f(x, i(x))$*) follows from the axioms of group theory:*
$f(f(x, y), z) = f(x, f(y, z))$
$f(e, x) = x$
$f(i(x), x) = e$*)*

Try to use Superposition.

Exercise 19 *Prove that every group in which every element is an inverse of itself, is commutative.*

Exercise 20 TPTP problems *Try to run Otter and Spass on the provided problems.*