1. Add type rule for fix.
2. Add tuples to the langauge and the type rule for them
3. Encode in Haskell \ x -> (x+x, x=True). Derive, if possible, a typing for it.
4. Encode in Haskell let f = \ x -> x in (f 3, f true). Derive, if possible, a typing for it.
5. Encode in Haskell \ g -> let f = g in (f 3, f True). Derive, if possible, a typing for it.
6. **let** f = (\x -> x) **in** **let** g = (f True) **in** f 3