P(g) Prove map f (map fl) = map (x >> f(fx)) l for all l:: [a] and for all f:: a>a (1) Base case: Prove P([]) i.e. mapf (mapf []) = Map (x->f(fx)) [] LHS => map f (map f [])

By definition of map RHS => map (x -> f(fx)) []

By definition of map LHS = RHS EJ = EJ

