e) (λs.λz.s (s z)) (λs.λz.s (s z)) (λb.λf.λt.b t f) (λf.λt.t)

A = (λs.λz.s (s z))

B = (λb.λf.λt.b t f)

C = (λf.λt.t)

D = A B

=> A A B C

=> (λs.λz.s (s z)) A B C

=> (λz. A (A z)) B C

=> (A (A B)) C

=> (λs.λz.s (s z)) (A B)) C

=> (λs.λz.s (s z)) (D)) C

=> (λz.D (D z))) C

=> D (D C)

=> (A B) (D C)

=> ((λs.λz.s (s z)) B)(D C)

=> ((λz.B (B z)))(D C)

=> B (B (D C))

=> ((λb.λf.λt.b t f))(B (D C))

=> λf.λt.(B (D C)) t f

=> λf.λt.((λb.λf1.λt1.b t1 f1) (D C)) t f

=> λf.λt.(λf1.λt1.(D C) t1 f1) t f

=> λf.λt.(λt1.(D C) t1 t) f

=> λf.λt.(D C) f t

=> λf.λt.((A B) C) f t

=> λf.λt.(((λs.λz.s (s z)) B) C) f t

=> λf.λt.(((λz.B (B z)) C) f t

=> λf.λt.(B (B C)) f t

=> λf.λt.((λb.λf0.λt0.b t0 f0) (B C)) f t

=> λf.λt.(λf0.λt0.(B C) t0 f0) f t

=> λf.λt.(λt0.(B C) t0 f) t

=> λf.λt.(B C) t f

=> λf.λt.((λb.λf0.λt0.b t0 f0) C) t f

=> λf.λt.(λf0.λt0.C t0 f0) t f

=> λf.λt.(λt0.C t0 t) f

=> λf.λt.(C f t)

=> λf.λt.(λf0.λt0.t0) f t

=> λf.λt.(λt0.t0) t

=> λf.λt.t