

S
 (loves(john,wife(john)) & loves(bill,wife(john)))
 t

SCon
 \y.(loves(john,wife(john)) & loves(y,wife(john)))
 <e,t>

VPCon
 \x y.(loves(x,wife(john)) & loves(y,wife(john)))
 <e,<e,t>>

VP
 \y.loves(y,wife(john))
 <e,t>

CON
 \P x y.(P(x) & P(y))
 <<e,t>,<e,<e,t>>>

S
 \P.P(bill)
 <<e,t>,t>

NP VP
 bill \x P.P(x)
 e <e,<<e,t>,t>>

bill does_too
 bill \x P.P(x)
 e <e,<<e,t>,t>>

NP VP
 john \x y.loves(y,wife(x))
 e <e,<e,t>>

john loves
 john \x y.loves(x,y)
 e <e,<e,t>>

NP
 \L x y.L(y,wife(x))
 <<e,<e,t>,<e,<e,t>>>

his wife
 \F L x y.L(y,F(x)) \x.wife(x)
 <<e,t>,<<e,<e,t>>,<e,<e,t>>>> <e,e>

and
 \P x y.(P(x) & P(y))
 <<e,t>,<e,<e,t>>>