

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

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

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

NP
 bill
 e
 bill
 e

VP
 \x P.P(x)
 <e,<<e,t>,t>>
 does_t oo
 \x P. P(x)
 <e, <<e, t >, t >>>

NP
 john
 e

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

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

wife
 \x. wife(x)
 <e, e >