

**S**  
 $(\text{loves}(\text{john}, \text{wife}(\text{john})) \ \& \ \text{loves}(\text{bill}, \text{wife}(\text{john})))$   
**t**

**SCon**  
 $\backslash y.(\text{loves}(\text{john}, \text{wife}(\text{john})) \ \& \ \text{loves}(y, \text{wife}(\text{john})))$   
 $\langle e, t \rangle$

**VPCon**  
 $\backslash x y.(\text{loves}(x, \text{wife}(\text{john})) \ \& \ \text{loves}(y, \text{wife}(\text{john})))$   
 $\langle e, \langle e, t \rangle \rangle$

**VP**  
 $\backslash y.\text{loves}(y, \text{wife}(\text{john}))$   
 $\langle e, t \rangle$

**CON**  
 $\backslash P x y.(P(x) \ \& \ P(y))$   
 $\langle \langle e, t \rangle, \langle e, \langle e, t \rangle \rangle \rangle$

**NP**  
**john**  
**e**

**VP**  
 $\backslash x y.\text{loves}(y, \text{wife}(x))$   
 $\langle e, \langle e, t \rangle \rangle$

and  
 $\backslash P x y.(P(x) \ \& \ P(y))$   
 $\langle \langle e, t \rangle, \langle e, \langle e, t \rangle \rangle \rangle$

john loves  
john  $\backslash x y.\text{loves}(x, y)$   
e  $\langle e, \langle e, t \rangle \rangle$

**NP**  
 $\backslash L x y.L(y, \text{wife}(x))$   
 $\langle \langle e, \langle e, t \rangle \rangle, \langle e, \langle e, t \rangle \rangle \rangle$

his  
 $\backslash F L x y.L(y, F(x))$   
 $\langle \langle e, e \rangle, \langle \langle e, \langle e, t \rangle \rangle, \langle e, \langle e, t \rangle \rangle \rangle \rangle$

wife  
 $\backslash x.\text{wife}(x)$   
 $\langle e, e \rangle$