

1

1.1

a)

$$\lambda S_{(e,t)} \cdot \lambda x_e S(x_e) \wedge \text{blond}^*(x)$$

b)

$$\lambda x_e \cdot \lambda L_{(e,t)} \text{ on}^*(L)(x)$$

c)

$$\lambda x_e \cdot \lambda P_{(e,t)} P(x) \wedge \forall y : P(y) \rightarrow x = y$$

1.2

a)

$$(\lambda x_e \cdot \lambda L_{(e,t)} \text{ on}^*(L)(x))(p')(\lambda y_e \cdot \text{live}(y_e))(n')$$

$$(\lambda x_e \cdot \lambda L_{(e,t)} \text{ on}^*(L)(x))(p')(\text{live}(n'))$$

$$(\lambda x_e \text{ on}^*(\text{live}(n'))(x))(p')$$

$$\text{on}^*(\text{live}(n'))(p')$$

b)

$$(\lambda x_e \cdot \lambda y_e \cdot \lambda P_{(e,t)} P(x) \wedge P(y))(l')(d')(\text{fight}')$$

$$(\lambda x_e \cdot \lambda y_e \cdot \lambda P_{(e,t)} \text{fight}'(x) \wedge \text{fight}'(y))(l')(d')$$

$$\text{fight}'(d') \wedge \text{fight}'(l')$$

c)

$$(\lambda x_e \cdot \lambda P_{(e,t)} P(x) \wedge \forall y : P(y) \rightarrow x = y)(l')((\lambda F_{(e,t)} F)((\lambda S_{(e,t)} \cdot \lambda x_e S(x_e) \wedge \text{blond}^*(x))(\text{jedi}')))$$

$$(\lambda x_e \cdot \lambda P_{(e,t)} P(x) \wedge \forall y : P(y) \rightarrow x = y)(l')((\lambda F_{(e,t)} F)(\lambda x_e \text{jedi}'(x) \wedge \text{blond}^*(x)))$$

$$(\lambda x_e \cdot \lambda P_{(e,t)} P(x) \wedge \forall y : P(y) \rightarrow x = y)(l')(\lambda x_e \text{jedi}'(x) \wedge \text{blond}^*(x))$$

$$(\lambda P_{(e,t)} P(l') \wedge \forall y : P(y) \rightarrow l' = y)(\lambda x_e \text{jedi}'(x) \wedge \text{blond}^*(x))$$

$$(\text{jedi}'(l') \wedge \text{blond}^*(l')) \wedge \forall y : (\text{jedi}'(y) \wedge \text{blond}^*(y)) \rightarrow l' = y$$