

$$ex2 = \left[ \begin{array}{lcl} x & : & Ind \\ c_{boy} & : & boy(x) \\ y & : & Ind \\ c_{dog} & : & dog(y) \\ e & : & hug(x, y) \end{array} \right]$$

$$ex3 = \left[ \begin{array}{lcl} x & = & a \\ c_{boy} & = & s_1 \\ y & = & b \\ c_{dog} & = & s_2 \\ e & = & s_3 \end{array} \right]$$

$$ex4 = \left[ \begin{array}{lcl} f & = & \left[ \begin{array}{lcl} f & = & \left[ \begin{array}{lcl} ff & = & a \\ gg & = & b \end{array} \right] \\ g & = & a \end{array} \right] \\ g & = & \left[ \begin{array}{lcl} h & = & \left[ \begin{array}{lcl} g & = & a \\ h & = & d \end{array} \right] \end{array} \right] \end{array} \right]$$

$$ex6 = \left[ \begin{array}{lcl} x & : & Ind \\ c_{boy} & : & \langle \lambda v : Ind . boy(v), \langle x \rangle \rangle \\ y & : & Ind \\ c_{dog} & : & \langle \lambda v : Ind . boy(v), \langle y \rangle \rangle \\ e & : & \langle \lambda v_1 : Ind \lambda v_2 : Ind . hug(v_1, v_2), \langle x, y \rangle \rangle \end{array} \right]$$

$$ex9 = \lambda v_0 : RecType . \left[ \begin{array}{lcl} c_0 & : & v_0 \end{array} \right]$$

$$ex23 = \bigvee_{X \subseteq T_1} (T_1 \rightarrow T_2)$$

$$ex31 = \lambda r : \left[ \begin{array}{lcl} x & : & Ind \\ c_{human} & : & human(x) \\ y & : & Ind \\ c_{dog} & : & dog(y) \\ z & : & Ind \\ c_{stick} & : & stick(z) \\ e & : & pick-up(x, z) \frown attract-attention(x, 7) \end{array} \right] . \left[ \begin{array}{lcl} e & : & play-fetch(r.x, r.y) \end{array} \right]$$