$$\begin{array}{rcl} e^{L} &=& x^{L} \mid \lambda x^{L}.e^{L} \mid e^{L} e^{L} \mid LE \ e^{E} \\ E^{L} &=& \left[ \ \right]^{L} \mid E^{L} e^{L} \mid LE \ E^{E} \\ \\ \hline \hline {\vdash^{L} TST} & \overline{\Gamma, x^{L} : TST \vdash^{L} x^{L} : TST} \\ \hline \frac{\Gamma, x^{L} : TST \vdash^{L} e : TST}{\Gamma \vdash^{L} \lambda x^{L}.e : TST} & \underline{\Gamma \vdash^{L} e_{1}^{L} : TST} & \underline{\Gamma \vdash^{L} e_{2}^{L} : TST} \\ \hline \Gamma \vdash^{L} \lambda x^{L}.e : TST & \overline{\Gamma \vdash^{L} e_{1}^{L} e_{2}^{L} : TST} & \underline{\Gamma \vdash^{L} e^{E} : TST} \\ & \mathscr{E}[(\lambda x^{L}.e_{1}^{L}) \ e_{2}^{L}]^{L} & \rightarrow \mathscr{E}[e_{1}^{L}[e_{2}^{L}/x^{L}]] \\ \mathscr{E}[LE \ (\lambda x^{E}.e^{E})]^{L} & \rightarrow \mathscr{E}[\lambda x^{L}.(LE \ ((\lambda x^{E}.e^{E}) \ (EL \ x^{L})))] \end{array}$$

Figure 0.1. Lazy model

$$\begin{array}{rcl} e^E &=& x^E \mid v^E \mid e^E e^E \\ v^E &=& \lambda x^E.e^E \mid EL.e^L \\ E^E &=& \left[ \right]^E \mid F^E.e^E \mid (\lambda x^E.e^E) \ E^E \\ F &=& E^E \mid EL.E^L \end{array}$$
 
$$\begin{array}{rcl} \overline{\Gamma, x^E:TST} \vdash^E x^E:TST \\ \hline \Gamma \vdash^E TST & \overline{\Gamma, x^E:TST} \vdash^E x^E:TST \\ \hline \Gamma \vdash^E \lambda x^E.e:TST & \overline{\Gamma} \vdash^E e_1^E:TST & \overline{\Gamma} \vdash^E e_2^E:TST \\ \hline \mathscr{E}[(\lambda x^E.e^E) \ v^E]^E &\to& \mathscr{E}[e^E[v^E/x^E]] \\ \mathscr{E}[EL.(\lambda x^L.e^L)]^E &\to& \mathscr{E}[\lambda x^E.(EL.((\lambda x^L.e^L) \ (LE.x^E))))] \end{array}$$

Figure 0.2. Eager model

$$\mathscr{E} = E^L$$