$$e^L \;\;=\;\; x^L \mid \lambda x^L.e^L \mid e^L \; e^L \mid LE \; e^E$$
$$E^L \;\;=\;\; [\,]^L \mid E^L \; e^L \mid LE \; E^E$$

$$\overline{\vdash^L TST} \qquad \overline{\Gamma, x^L : TST \vdash^L x^L : TST}$$

$$\frac{\Gamma, x^L : TST \vdash^L e : TST}{\Gamma \vdash^L \lambda x^L.e : TST} \qquad \frac{\Gamma \vdash^L e_1^L : TST \quad \Gamma \vdash^L e_2^L : TST}{\Gamma \vdash^L e_1^L \; e_2^L : TST} \qquad \frac{\Gamma \vdash^E e^E : TST}{\Gamma \vdash^L LE \; e^E : TST}$$

$$\begin{aligned}
\mathscr{E}[(\lambda x^L.e_1^L) \; e_2^L]^L &\;\;\rightarrow\;\; \mathscr{E}[e_1^L[e_2^L/x^L]] \\
\mathscr{E}[LE \; (\lambda x^E.e^E)]^L &\;\;\rightarrow\;\; \mathscr{E}[\lambda x^L.(LE \; ((\lambda x^E.e^E) \; (EL \; x^L)))] \\
\mathscr{E}[LE \; (EL \; e^L)]^L &\;\;\rightarrow\;\; \mathscr{E}[e^L]
\end{aligned}$$

Figure 0.1. Lazy model

$$e^E \;\;=\;\; x^E \mid v^E \mid e^E \; e^E$$
$$v^E \;\;=\;\; \lambda x^E.e^E \mid EL \; e^L$$
$$E^E \;\;=\;\; [\,]^E \mid F \; e^E \mid (\lambda x^E.e^E) \; E^E$$
$$F \;\;=\;\; E^E \mid EL \; E^L$$

$$\overline{\vdash^E TST} \qquad \overline{\Gamma, x^E : TST \vdash^E x^E : TST}$$

$$\frac{\Gamma, x^E : TST \vdash^E e : TST}{\Gamma \vdash^E \lambda x^E.e : TST} \qquad \frac{\Gamma \vdash^E e_1^E : TST \quad \Gamma \vdash^E e_2^E : TST}{\Gamma \vdash^E e_1^E \; e_2^E : TST} \qquad \frac{\Gamma \vdash^L e^L : TST}{\Gamma \vdash^E EL \; e^L : TST}$$

$$\begin{aligned}
\mathscr{E}[(\lambda x^E.e^E) \; v^E]^E &\;\;\rightarrow\;\; \mathscr{E}[e^E[v^E/x^E]] \\
\mathscr{E}[EL \; (\lambda x^L.e^L)]^E &\;\;\rightarrow\;\; \mathscr{E}[\lambda x^E.(EL \; ((\lambda x^L.e^L) \; (LE \; x^E)))] \\
\mathscr{E}[EL \; (LE \; e^E)]^E &\;\;\rightarrow\;\; \mathscr{E}[e^E]
\end{aligned}$$

Figure 0.2. Eager model

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