$$
\begin{aligned}
&\mathit{eval} = \lambda(r, e).\\
&\qquad \big(\mathit{const?}(r) \to \mathit{evcon}(r),\\
&\qquad \mathit{var?}(r) \to e(r),\\
&\qquad \mathit{appl?}(r) \to \big(\mathit{eval}(\mathit{opr}(r), e)\big)\big(\mathit{eval}(\mathit{opnd}(r), e)\big),\\
&\qquad \mathit{lambda?}(r) \to \mathit{evlambda}(r, e),\\
&\qquad \mathit{cond?}(r) \to \textbf{if } \mathit{eval}(\mathit{prem}(r), e)\\
&\qquad\qquad \textbf{then } \mathit{eval}(\mathit{conc}(r), e) \textbf{ else } \mathit{eval}(\mathit{altr}(r), e),\\
&\qquad \mathit{letrec?}(r) \to \textbf{letrec } e' =\\
&\qquad\qquad \lambda x.\ \textbf{if } x = \mathit{dvar}(r) \textbf{ then } \mathit{evlambda}(\mathit{dexp}(r), e') \textbf{ else } e(x)\\
&\qquad\qquad \textbf{in } \mathit{eval}(\mathit{body}(r), e')\big)\\
&\mathit{evlambda} = \lambda(\ell, e).\ \lambda a.\ \mathit{eval}\big(\mathit{body}(\ell), \mathit{ext}(\mathit{fp}(\ell), a, e)\big)\\
&\mathit{ext} = \lambda(z, a, e).\ \lambda x.\ \textbf{if } x = z \textbf{ then } a \textbf{ else } e(x).
\end{aligned}
$$