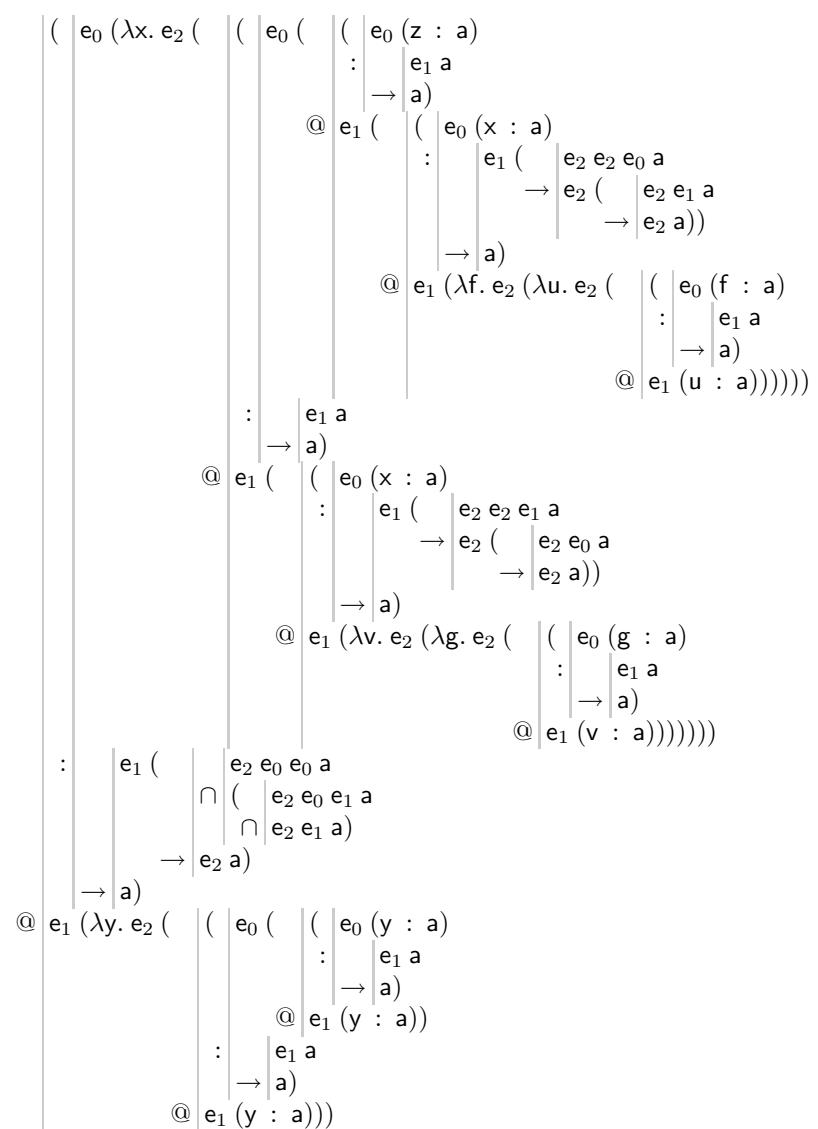
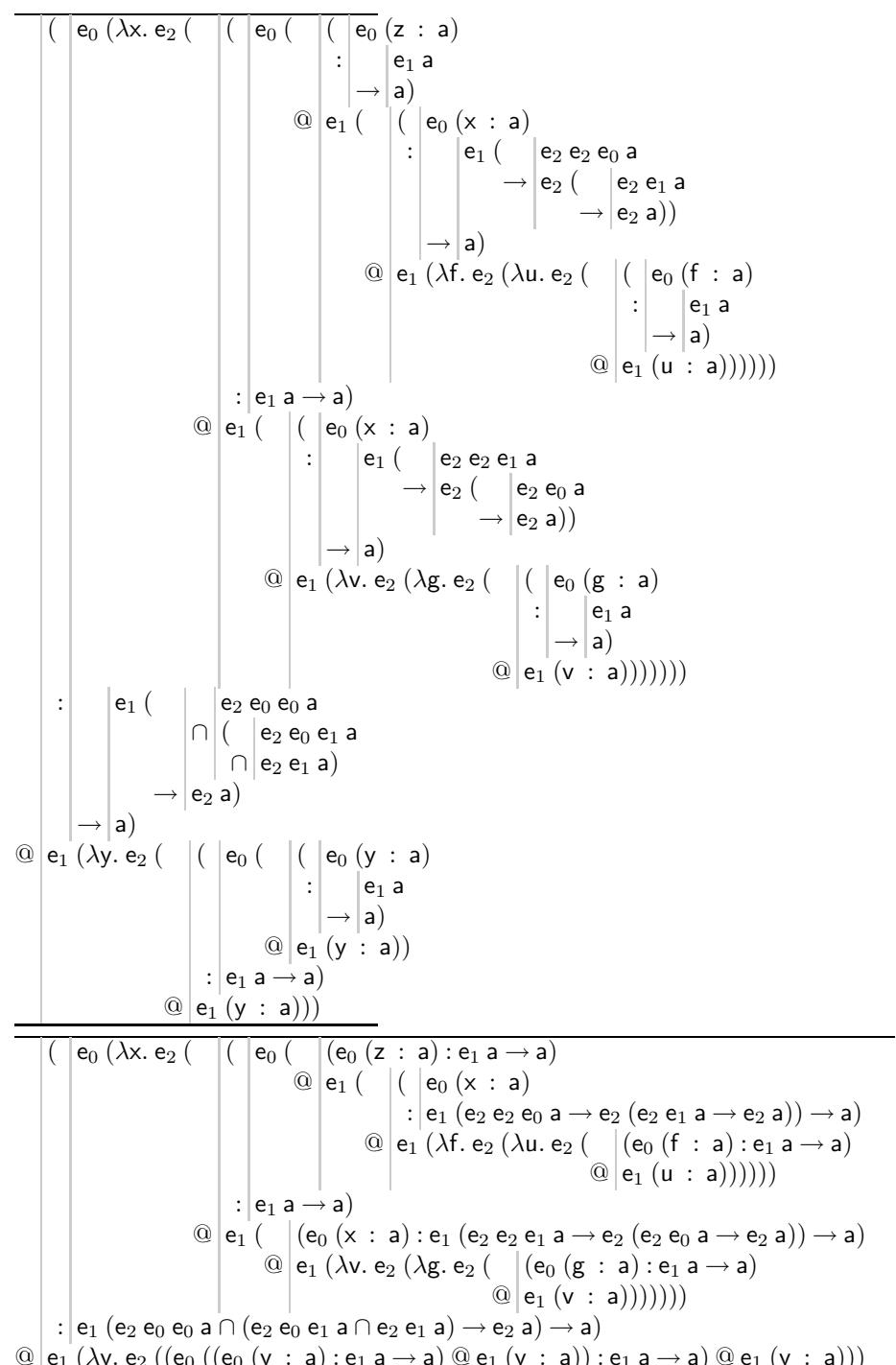


$$\begin{array}{c}
(\lambda x. e \ (\ \left| \begin{array}{c} (\ \left| \begin{array}{c} e' Q_{3,1} \\ : \\ \tau_3 \\ \rightarrow \\ a \end{array} \right| \\ @ \left| Q_{3,2} \right| \end{array} \right| \\ @ \left| \begin{array}{c} Q_4 \\ \cap \\ Q_5 \end{array} \right|) \\
\hline (\lambda x. e \ (\ \left| \begin{array}{c} e' Q_{3,1} \\ : \\ \tau_3 \\ \rightarrow \\ a \end{array} \right| \\ @ \left| Q_{3,2} \right|) \\
@ \left| \begin{array}{c} Q_4 \\ \cap \\ Q_5 \end{array} \right| \\
\hline (\lambda x. e \ (\ \left| \begin{array}{c} e' Q_{3,1} \\ : \\ \tau_3 \\ \rightarrow \\ a \end{array} \right| \\ @ \left| Q_{3,2} \right|) \\
@ \left| Q_4 \cap Q_5 \right| \\
\hline (\lambda x. e \ (\ \left| \begin{array}{c} e' \overline{Q}_{3,1} \\ : \\ \tau_3 \\ \rightarrow \\ a \end{array} \right| \\ @ \left| Q_{3,2} \right|) \\
@ \left| Q_4 \cap Q_5 \right| \\
\hline (\lambda x. e \ (\ \left| \begin{array}{c} e' Q_{3,1} \\ : \\ \tau_3 \rightarrow a \end{array} \right| \\ @ \left| Q_{3,2} \right|) \\
@ \left| Q_4 \cap Q_5 \right| \\
\hline (\lambda x. e \ (\ \left| \begin{array}{c} (e' Q_{3,1} : \tau_3 \rightarrow a) \\ @ \left| Q_{3,2} \right| \end{array} \right| \\
@ \left| Q_4 \cap Q_5 \right| \\
\hline (\lambda x. e \ ((e' Q_{3,1} : \tau_3 \rightarrow a) @ Q_{3,2})) @ Q_4 \cap Q_5 \\
\hline (\lambda x. e \ ((e' Q_{3,1} : \tau_3 \rightarrow a) @ Q_{3,2})) @ Q_4 \cap Q_5
\end{array}$$

$$\begin{array}{c}
\frac{\begin{array}{c} (\mid e_0 (\lambda x. e_2 (\mid e_0 (x : a_0) \\ \vdots \mid e_1 a_0 \\ @ \mid e_1 (x : a_0))) \\ : \mid e_1 (e_2 a_0 \rightarrow e_2 a_0) \\ \rightarrow a_0) \end{array}}{\begin{array}{c} @ \mid e_1 (\lambda y. e_2 (y : a_0)) \end{array}} \\
\hline
\frac{\begin{array}{c} (\mid e_0 (\lambda x. e_2 (\mid e_0 (x : a_0) \\ \vdots \mid e_1 a_0 \rightarrow a_0) \\ @ \mid e_1 (x : a_0))) \\ : \mid e_1 (e_2 a_0 \rightarrow e_2 a_0) \rightarrow a_0) \end{array}}{\begin{array}{c} @ \mid e_1 (\lambda y. e_2 (y : a_0)) \end{array}} \\
\hline
\frac{\begin{array}{c} (\mid e_0 (\lambda x. e_2 ((e_0 (x : a_0) : e_1 a_0 \rightarrow a_0) @ e_1 (x : a_0))) \\ : \mid e_1 (e_2 a_0 \rightarrow e_2 a_0) \rightarrow a_0) \end{array}}{\begin{array}{c} @ \mid e_1 (\lambda y. e_2 (y : a_0)) \end{array}} \\
\hline
\frac{\begin{array}{c} (\mid e_0 (\lambda x. e_2 ((e_0 (x : a_0) : e_1 a_0 \rightarrow a_0) @ e_1 (x : a_0))) \\ : \mid e_1 (e_2 a_0 \rightarrow e_2 a_0) \rightarrow a_0) \end{array}}{\begin{array}{c} @ \mid e_1 (\lambda y. e_2 (y : a_0)) \end{array}} \\
\hline
\frac{\begin{array}{c} (\mid e_0 (\lambda x. e_2 ((e_0 (x : a_0) : e_1 a_0 \rightarrow a_0) @ e_1 (x : a_0))) : e_1 (e_2 a_0 \rightarrow e_2 a_0) \rightarrow a_0) \end{array}}{\begin{array}{c} @ \mid e_1 (\lambda y. e_2 (y : a_0)) \end{array}}
\end{array}$$





[malloc { $x(0)$, $x'(0)$ }; $y.0 := [z.0 := !x.0]$; malloc { $w(0)$ }; { $x.0 := 5$ } ; jmp ! $y.0$]

[malloc { $x(0)$,
 $x'(0)$ };
 $y.0 := [z.0 := !x.0]$
malloc { $w(0)$ };
{ $x.0 := 5$ } ;
jmp ! $y.0$]

[malloc { $x(0)$,
 $x'(0)$ };
 $y.0 := [z.0 := !x.0]$
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[malloc { $x(0),x'(0)$ }; $y.0 := [z.0 := !x.0]$; malloc { $w(0)$ }; { $x.0 := 5$ } ; jmp ! $y.0$]

(let $y = V$ in let $x = V$ in if $y = 0$ then E_0 else ... if $y = n$ then E_n else wrong)

(let $y = V$
in let $x = V$
in if y
= 0
then E_0
else ...
if y
= n
then E_n
else wrong)

(let $y = V$
in let $x = V$
in if $y = 0$
then E_0
else ...
if $y = n$
then E_n
else wrong)

(let $y = V$
in let $x = V$
in if $y = 0$ then E_0
else ...)

if $y = n$ then E_n else wrong)

(let $y = V$
in let $x = V$
in if $y = 0$ then E_0 else ... if $y = n$ then E_n else wrong)

(let $y = V$ in let $x = V$ in if $y = 0$ then E_0 else ... if $y = n$ then E_n else wrong)

(let $y = V$ in let $x = V$ in if $y = 0$ then E_0 else ... if $y = n$ then E_n else wrong)
