r

entry

A

l_1 $\begin{array}{l} x_1 \leftarrow \phi(x_5, \bot) \\ y_1 \leftarrow \phi(y_4, \bot) \end{array}$

B

l_2 $\begin{array}{l} y_2 \leftarrow 0 \\ x_2 \leftarrow 0 \end{array}$

C

l_3 $\begin{array}{l} \mathrm{tmp} \leftarrow x_1 \\ x_3 \leftarrow y_1 \\ y_3 \leftarrow \mathrm{tmp} \end{array}$
l_4

D

l_5 $\begin{array}{l} x_4 \leftarrow \phi(x_2, x_3) \\ y_4 \leftarrow \phi(y_2, y_3) \\ x_5 \leftarrow f(x_4, y_4) \end{array}$
l_6

E

l_7 $\begin{array}{l} x_6 \leftarrow \phi(x_5, x_3) \\ y_5 \leftarrow \phi(y_4, y_3) \\ \mathrm{ret}\ x_6 \end{array}$
l_8