r

entry

A

l_1 $\quad x_1 \leftarrow \phi(x_5, \bot)$
$\quad y_1 \leftarrow \phi(y_4, \bot)$

B
$\quad y_2 \leftarrow 0$
l_2 $\quad x_2 \leftarrow 0$

C
l_3 $\quad \text{tmp} \leftarrow x_1$
l_4 $\quad x_3 \leftarrow y_1$
$\quad y_3 \leftarrow \text{tmp}$

D
l_5 $\quad x_4 \leftarrow \phi(x_2, x_3)$
$\quad y_4 \leftarrow \phi(y_2, y_3)$
l_6 $\quad x_5 \leftarrow f(x_4, y_4)$

E
l_7 $\quad x_6 \leftarrow \phi(x_5, x_3)$
$\quad y_5 \leftarrow \phi(y_4, y_3)$
l_8 $\quad \text{ret } x_6$