r entry

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

B
$$C \begin{array}{c} tmp \leftarrow x_1 \\ x_3 \leftarrow y_1 \\ y_3 \leftarrow tmp \end{array}$$

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

$$E \begin{array}{c} x_6 \leftarrow \\ \phi(x_5, x_3) \\ y_5 \leftarrow \phi(y_4, y_3) \\ ret x \end{array}$$