entry

$$l_{1} \underbrace{\begin{pmatrix} x_{1} \leftarrow \phi(x_{5}, \bot) \\ y_{1} \leftarrow \phi(y_{4}, \bot) \end{pmatrix}}_{l_{2}} C$$

$$l_{2} \underbrace{\begin{pmatrix} y_{2} \leftarrow 0 \\ x_{2} \leftarrow 0 \end{pmatrix}}_{l_{3}} \underbrace{\begin{pmatrix} tmp \leftarrow x_{1} \\ x_{3} \leftarrow y_{1} \\ y_{3} \leftarrow tmp \end{pmatrix}}_{l_{5} \leftarrow \phi(y_{2}, y_{3})}$$

$$l_{6} \underbrace{\begin{pmatrix} x_{4} \leftarrow \phi(x_{2}, x_{3}) \\ y_{4} \leftarrow \phi(y_{2}, y_{3}) \\ x_{5} \leftarrow f(x_{4}, y_{4}) \end{pmatrix}}_{l_{8} \leftarrow \phi(y_{4}, y_{3})}$$

ret x_{6}