

Programa f

$f(x, y, w)$

$$X = \frac{1}{2} \langle 1 \rangle + \frac{1}{2} \langle 0 \rangle \rightarrow c_2$$

$$P(X+Y=0) = \emptyset$$

$$Y = \frac{1}{2} \langle 1 \rangle + \frac{1}{2} \langle 0 \rangle \rightarrow c_1$$

$$P(X+Y=0) = \emptyset$$

if ($X+Y=0$)

$w=1$

else

$w=0$

c_0

$$\text{erf}[w](f) = 1 + \emptyset \cdot \text{erf}[w=1](f) + \emptyset \cdot \text{erf}[w=0](f)$$

$$= 1 + \emptyset(f_{??1} + 1) + \emptyset(1 + f_{??0})$$

$$= 1 + \emptyset f_{??1} + \emptyset + \emptyset + \emptyset f_{??0}$$

$$= 2 + \emptyset f_{??1} + \emptyset f_{??0} \rightarrow f_0$$

$$\text{erf}[c_1](f_0) = 1 + \frac{1}{2} f_{0?1} + \frac{1}{2} f_{0?0}$$

$$= 1 + \frac{1}{2} (2 + \emptyset f_{?11} + \emptyset f_{?10})$$

$$+ \frac{1}{2} (2 + \emptyset f_{?01} + \emptyset f_{?00})$$

$$= 3 + \frac{1}{2} (\emptyset f_{?11} + \emptyset f_{?10} + \emptyset f_{?01} + \emptyset f_{?00})$$

f_1

$$e_{\sigma} + [c_2](f) = 1 + \frac{1}{2} f_{11} + \frac{1}{2} f_{10}$$

$$= 1 + \frac{1}{4} (\phi f_{111} + !\phi f_{110} + \phi f_{101} + !\phi f_{100}) + \frac{3}{2}$$

$$+ \frac{1}{4} (\phi f_{011} + !\phi f_{010} + \phi f_{001} + !\phi f_{000}) + \frac{3}{2}$$

$$= 4 + \frac{1}{4} (\phi f_{111} + !\phi f_{110} + \phi f_{101} + !\phi f_{100} + \phi f_{011} + !\phi f_{010} + \phi f_{001} + !\phi f_{000})$$

□

Programa f_1

$f(x, y)$

$$X = \frac{1}{2} \langle 1 \rangle + \frac{1}{2} \langle 0 \rangle \rightarrow C_1$$

$$P(X+Y=0) = \emptyset$$

$$Y = \frac{1}{2} \langle 1 \rangle + \frac{1}{2} \langle 0 \rangle \rightarrow C_2$$

$$P(X+Y \neq 0) = 1, \emptyset$$

$$if(X+Y=0)$$

$$X=1$$

$$C_0$$

else

$$X=0$$

$$est[I_{C_0}](f) = 1 + \emptyset \cdot est[X=1](f) + 1 \cdot \emptyset \cdot est[X=0](f)$$

$$= 1 + \emptyset(f_{11} + 1) + 1 \cdot \emptyset(1 + f_{01})$$

$$= 1 + \emptyset f_{11} + \emptyset + 1 \cdot \emptyset + 1 \cdot \emptyset f_{01}$$

$$= 2 + \emptyset f_{11} + 1 \cdot \emptyset f_{01} \rightarrow f_0$$

$$est[I_{C_1}](f) = 1 + \frac{1}{2} f_{01} + \frac{1}{2} f_{10}$$

$$= 1 + \frac{1}{2} (2 + \emptyset f_{11} + 1 \cdot \emptyset f_{01})$$

$$+ \frac{1}{2} (2 + \emptyset f_{10} + 1 \cdot \emptyset f_{00})$$

$$= 3 + \frac{1}{2} (\emptyset f_{11} + 1 \cdot \emptyset f_{01} + \emptyset f_{10} + 1 \cdot \emptyset f_{00})$$

\downarrow
 f

f_1

Se puede
reevaluar en X?

$$\text{erf}[er_2](f) = 1 + \frac{1}{2} \left(\frac{f}{1} \right) + \frac{1}{2} f$$