

$$\begin{aligned}
Master &= \bigoplus_{i=0}^2 p_i \bar{m}_i \langle 1 \rangle . \bar{m}_{i+1} \langle 0 \rangle . \bar{m}_{i+2} \langle 0 \rangle . \mathbf{0} \\
&\quad \oplus p_m \bar{m}_0 \langle 0 \rangle . \bar{m}_1 \langle 0 \rangle . \bar{m}_2 \langle 0 \rangle . \mathbf{0}
\end{aligned}$$

$$Crypt_i = m_i(x) . c_{i,i}(y) . c_{i,i+1}(z) . \overline{out} \langle x + y + z \rangle . \mathbf{0}$$

$$Coin_i = p_h \bar{c}_{i,i} \langle 0 \rangle . \bar{c}_{i-1,i} \langle 0 \rangle . \mathbf{0} \quad \oplus \quad p_t \bar{c}_{i,i} \langle 1 \rangle . \bar{c}_{i-1,i} \langle 1 \rangle . \mathbf{0}$$

$$DC = (\nu \vec{m})(Master \mid (\nu \vec{c})(\Pi_{i=0}^2 Crypt_i \mid \Pi_{i=0}^2 Coin_i))$$