

$$\mathbf{P} \left(\begin{array}{c} \text{0} \\ \bullet \\ \diagup \quad \diagdown \\ \text{1} \bullet \quad \bullet \text{0} \\ G_{t+1} \end{array} \middle| \begin{array}{c} \text{1} \\ \bullet \\ \diagup \quad \diagdown \\ \text{1} \bullet \quad \bullet \text{0} \\ G_t \end{array} \right), \begin{array}{c} \text{0} \\ \bullet \\ \diagup \quad \diagdown \\ \text{1} \bullet \quad \bullet \text{0} \\ G_{t-1} \end{array} \right) = \mathbf{P} \left(\begin{array}{c} \text{0} \\ \bullet \\ \diagup \quad \diagdown \\ \text{1} \bullet \quad \bullet \text{0} \\ G_{t+1} \end{array} \middle| \begin{array}{c} \text{1} \\ \bullet \\ \diagup \quad \diagdown \\ \text{1} \bullet \quad \bullet \text{0} \\ G_t \end{array} \right)$$