$$p(\mathbf{f}, \mathbf{a} \mid \mathbf{e}) = p(\mathbf{a}) \prod_{\langle \overline{\mathbf{e}}, \overline{\mathbf{f}} \rangle \in \mathbf{a}} p(\overline{\mathbf{f}} \mid \overline{\mathbf{e}})$$

 $p(\mathbf{f} \mid \mathbf{e}) = \sum p(\mathbf{a}) \quad \mathbf{f} \quad p(\overline{\mathbf{f}} \mid \overline{\mathbf{e}})$

 $\langle \overline{\mathbf{e}}, \overline{\mathbf{f}} \rangle {\in} \mathbf{a}$