$p(e_i, a_i \mid \mathbf{f}, m) = \frac{1}{1+n} p(e_i \mid f_{a_i})$ 

 $p(\mathbf{e}, \mathbf{a} \mid \mathbf{f}, m) = \prod p(e_i, a_i \mid \mathbf{f}, m)$