$$\begin{array}{ll} L_1 & pragmatic \ listener & P_{L_1}(s|u) \propto P_{S_1}(u|s) \cdot P(s) \\ \downarrow & \\ S_1 & pragmatic \ speaker & P_{S_1}(u|s) \propto \exp(\alpha U_{S_1}(u;s)) \\ \downarrow & \\ L_0 & literal \ listener & P_{L_0}(s|u) \propto [\![u]\!](s) \cdot P(s) \end{array}$$