\[ X_{ik}^{(1)}(t) \rightarrow \mu_{ik}(t) \rightarrow Y_{ik}(t) \rightarrow \varepsilon_{ik}(t) \]

\[ b_{ik} \rightarrow \beta_{k}^{(1)} \]

\[ W_{i}(t) \rightarrow \beta^{(2)} \]

\[ X_{i}^{(2)}(t) \rightarrow \lambda_{i}(t) \rightarrow T_{i} \]

\[ k = 1, \ldots, K \]