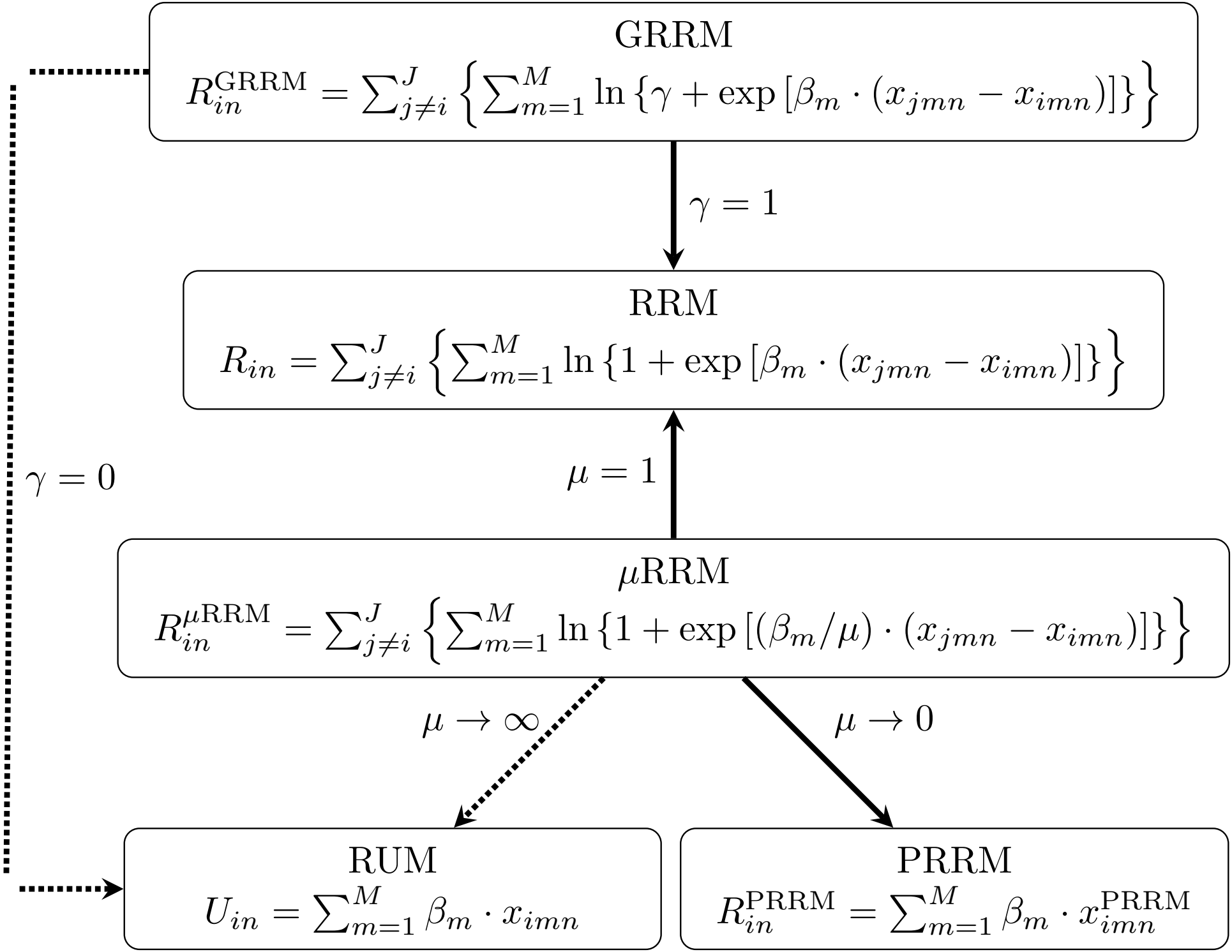
GRRM
$R_{in}^{\mathrm{GRRM}} = \sum_{j \neq i}^{J} \left\{ \sum_{m=1}^{M} \ln \left\{ \gamma + \exp \left[\beta_m \cdot (x_{jmn} - x_{imn}) \right] \right\} \right\}$
$\gamma = 1$
RRM
$R_{in} = \sum_{j \neq i}^{J} \left\{ \sum_{m=1}^{M} \ln \left\{ 1 + \exp \left[\beta_m \cdot (x_{jmn} - x_{imn}) \right] \right\} \right\}$
$\gamma = 0$
$\mu = 1$
μRRM
$R_{in}^{\mu\mathrm{RRM}} = \sum_{j \neq i}^{J} \left\{ \sum_{m=1}^{M} \ln \left\{ 1 + \exp \left[(\beta_m / \mu) \cdot (x_{jmn} - x_{imn}) \right] \right\} \right\}$
$\mu \to \infty$
$\mu \to 0$
RUM
$U_{in} = \sum_{m=1}^{M} \beta_m \cdot x_{imn}$
PRRM
$R_{in}^{\mathrm{PRRM}} = \sum_{m=1}^{M} \beta_m \cdot x_{imn}^{\mathrm{PRRM}}$