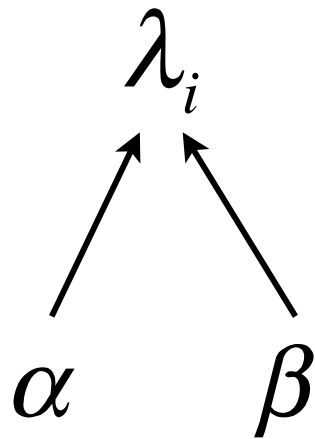$$[\boldsymbol{\lambda}, \alpha, \beta | \mathbf{y}] \propto \prod_{i=1}^{n} \text{Poisson}\,(y_i | \lambda_i)\, \boxed{\text{gamma}\,(\lambda_i | \alpha, \beta)}\, \text{gamma}\,(\beta | .001, .001)\, \boxed{\text{gamma}\,(\alpha | .001, .001)}$$

Writing the conditional distribution for α:

$$[\alpha | \boldsymbol{\lambda}, \beta] \propto \prod_{i=1}^{n} \text{gamma}\,(\lambda_i | \alpha, \beta)\, \text{gamma}\,(\alpha | .001, .001)$$

$$\lambda_i$$

$$\alpha \qquad \beta$$

We use the usual rules for conditioning--heads on the lhs, tails on the rhs. We ignore parts of the network that do not involve α.