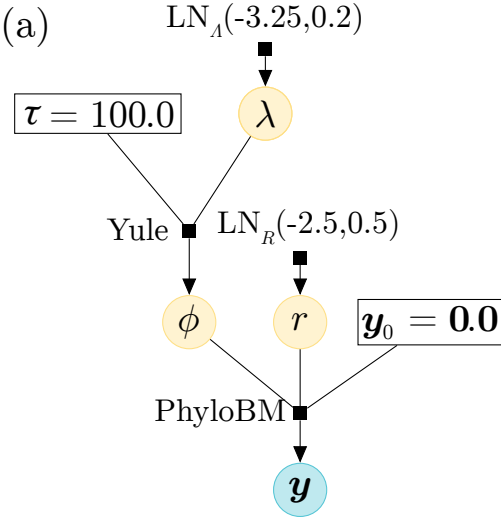


(a)



### Legend

- : Sampling distribution
- | : <pass as input> (top-to-bottom action)
- ▼ : <sample> (top-to-bottom action)
- : Random variable (value assumed known)
- : Random variable (during inference: value is estimated)
- : Random variable (during inference: value is observed, i.e., data)

(b)

Node name	Meaning
$\lambda$	Birth rate
$\tau$	Origin age
$\phi$	Phylogeny
$r$	Morphological rate
$y_0$	Character state at origin
$y$	Character states at tips