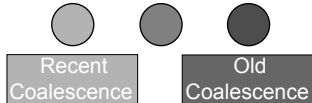


A. Hidden States:



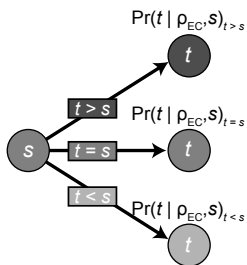
Observations:



Emissions



Transitions



Objective Function

$$\underset{\lambda_{EC}, \sigma, \beta, \rho_{EC}}{\operatorname{argmax}} \Pr(\mathbf{Y}, \mathbf{X} | \lambda_{EC}, \sigma, \beta, \rho_{EC})$$

\mathbf{Y} : Sequence of Observations
 \mathbf{X} : Sequence of Hidden States
 σ : Selfing Rate
 β : Germination Rate
 λ_{EC} : Scaled Coalescences Time
 ρ_{EC} : Scaled Recombination Rate

B.

