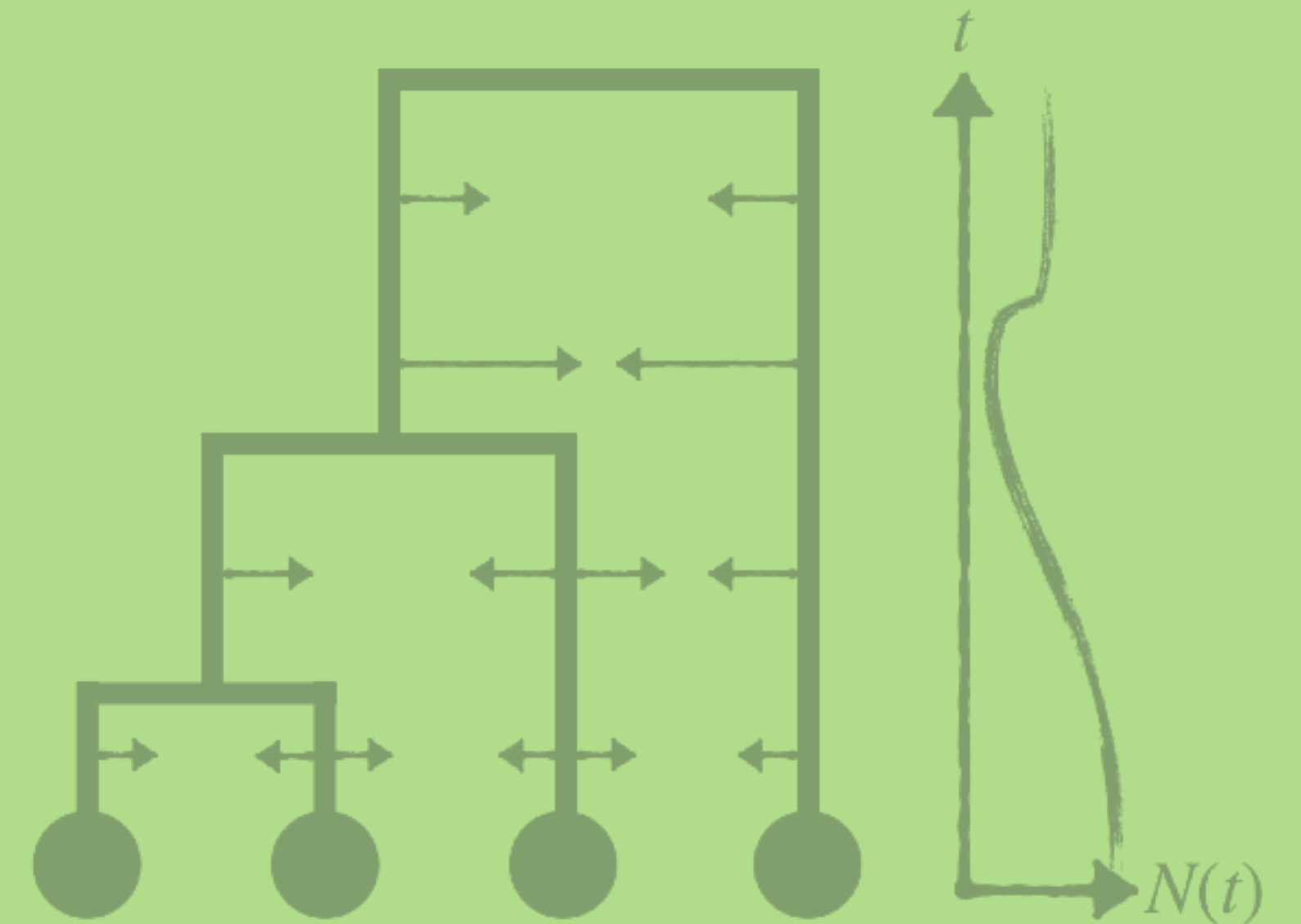


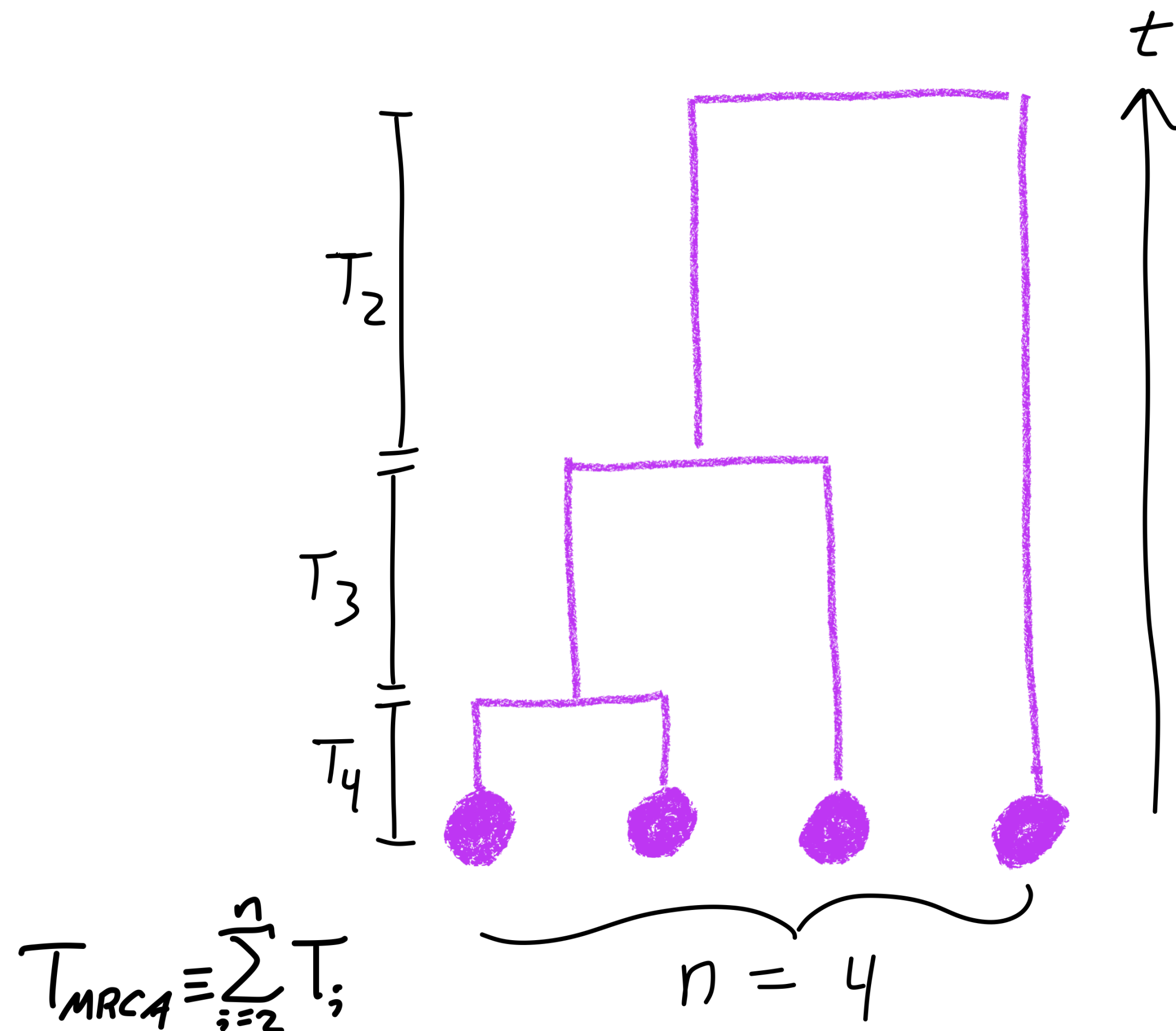
GENOME 541: population genetic inference

II. The coalescent with recombination

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Previously on...



"intercoalescence"
times

$$E[T_i] = \frac{2N}{\binom{i}{2}}$$

Exp. dist.

$$p(t_i) = \frac{\binom{i}{2}}{2N} e^{-\frac{\binom{i}{2}}{2N} t_i}$$



- Each pair is a process w/ rate $\frac{2}{2N}$
- The pairs race to coalesce