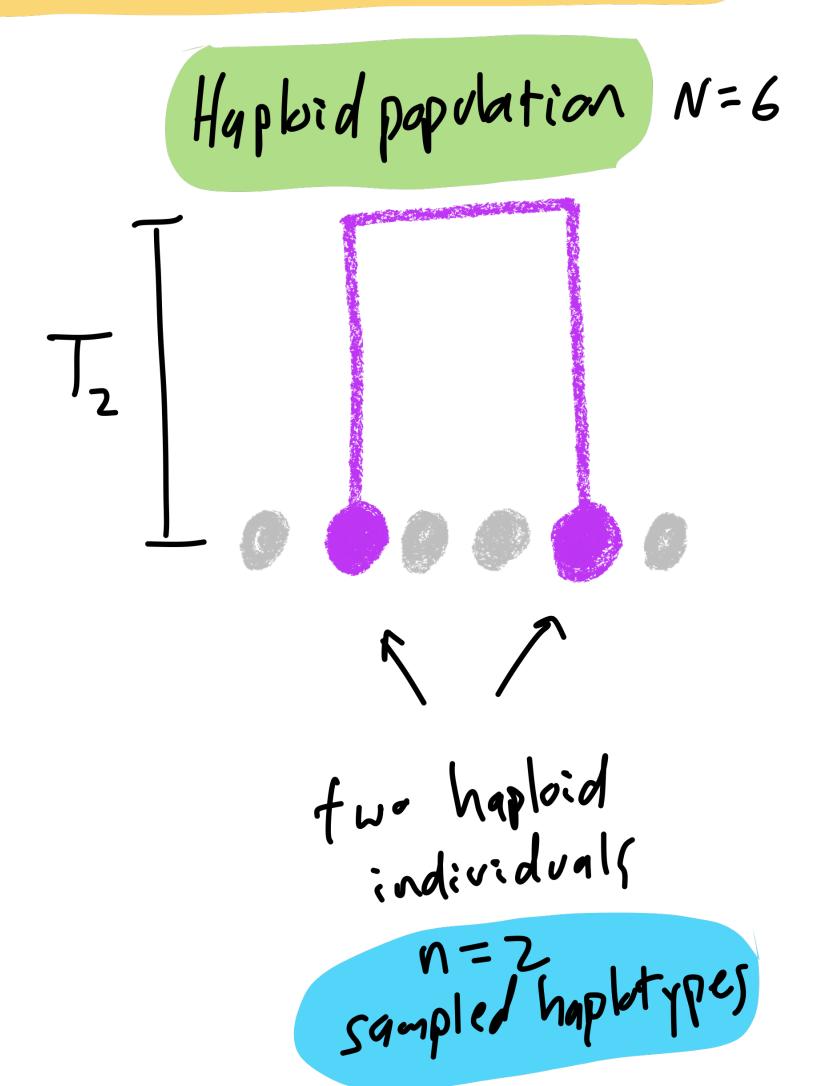
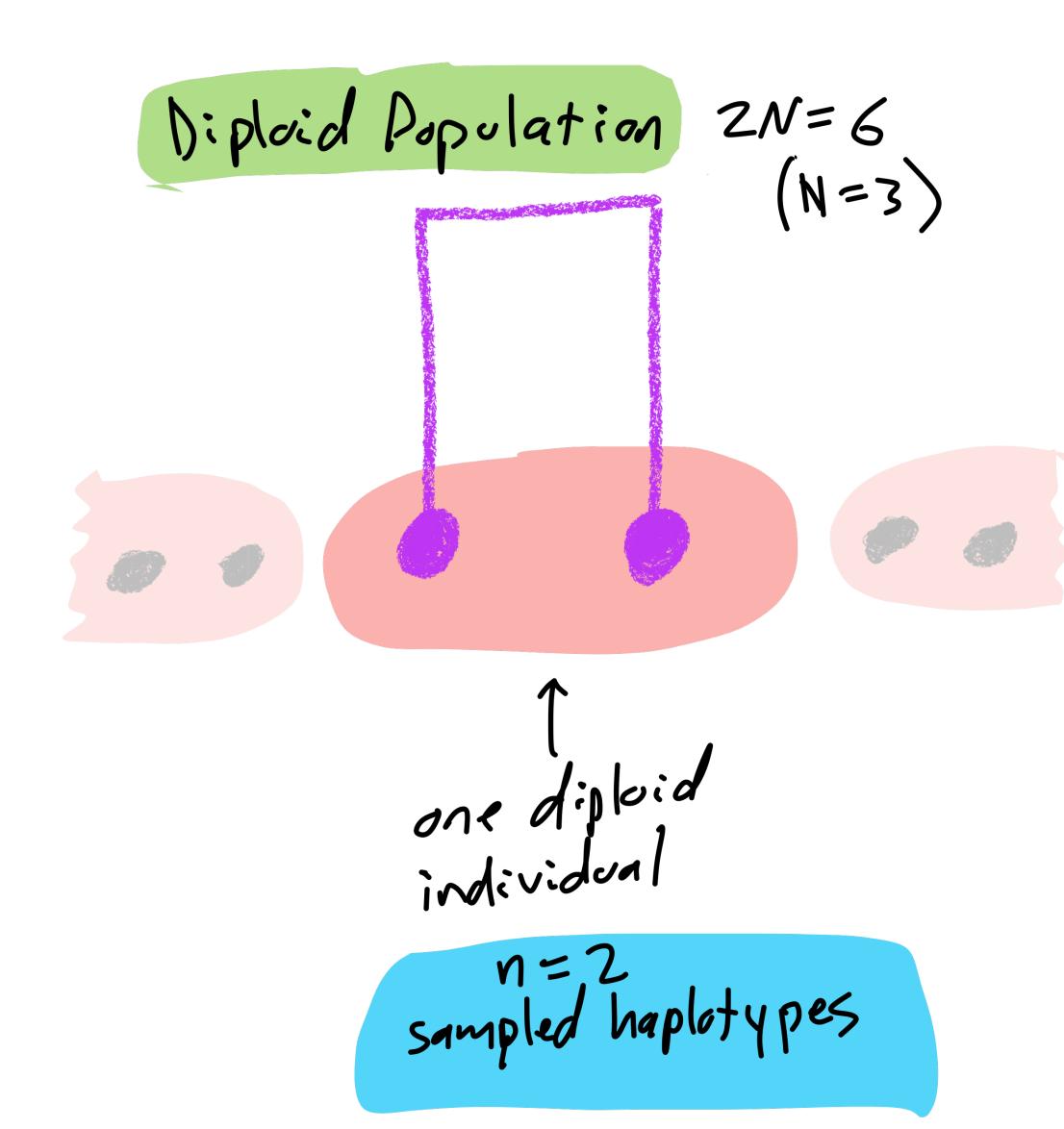
Coalescent theory

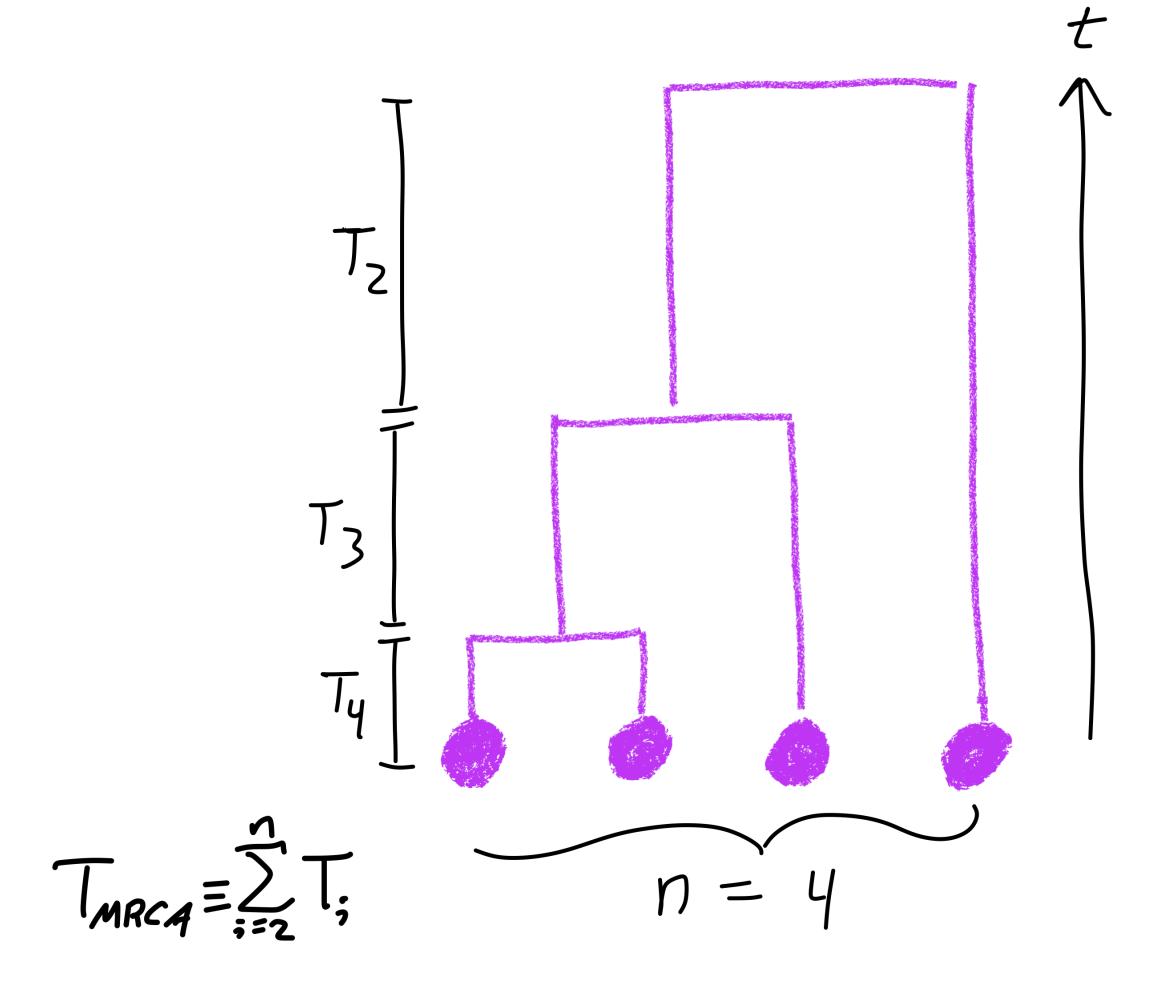
Watch those factors of 2!





Coalescent theory

Updating the previous results



"intercoalescence"

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

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{1}{2N} The pairs race to coalesce