

Homework:

1. Obtain the correlation coefficients between two markers (genes) in the backcross and F_2 populations, respectively.

2. Derive $r_{AB} = \sum_{t \text{ 爲奇數}} P(T=t) = \frac{1}{2}(1 - e^{-2X_{AB}})$.

3. Order the five linked markers using SAR criterion.

4. Assume only one QTL controls the quantitative trait y . Which is the closest marker to the QTL?