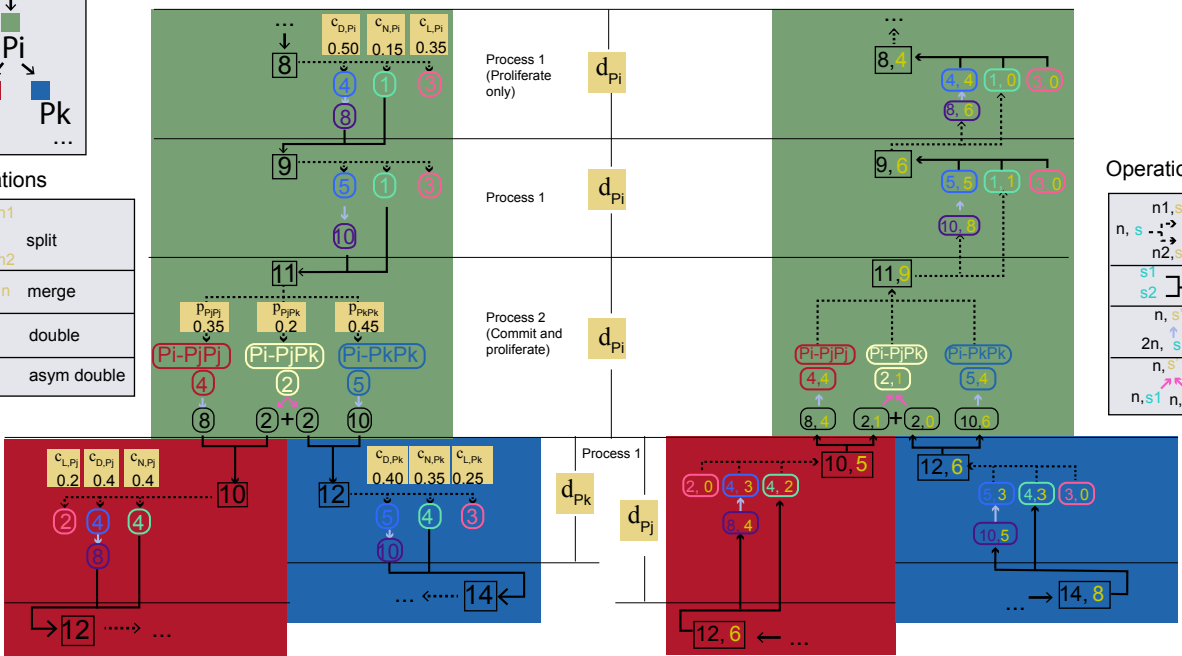
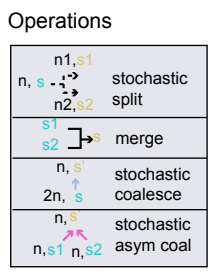
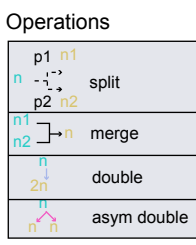


Step 1: generate count graph (forward propagation)

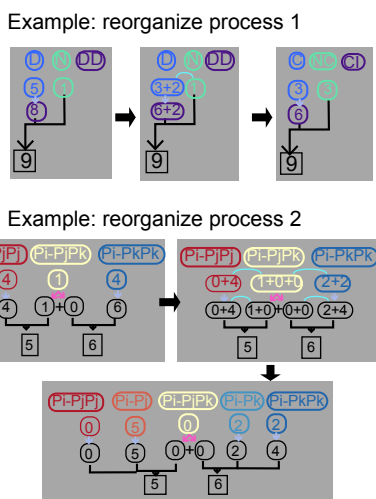
Count nodes: T D N L DD

Step 2: generate sample size (backward propagation)

Count nodes: T D N L DD

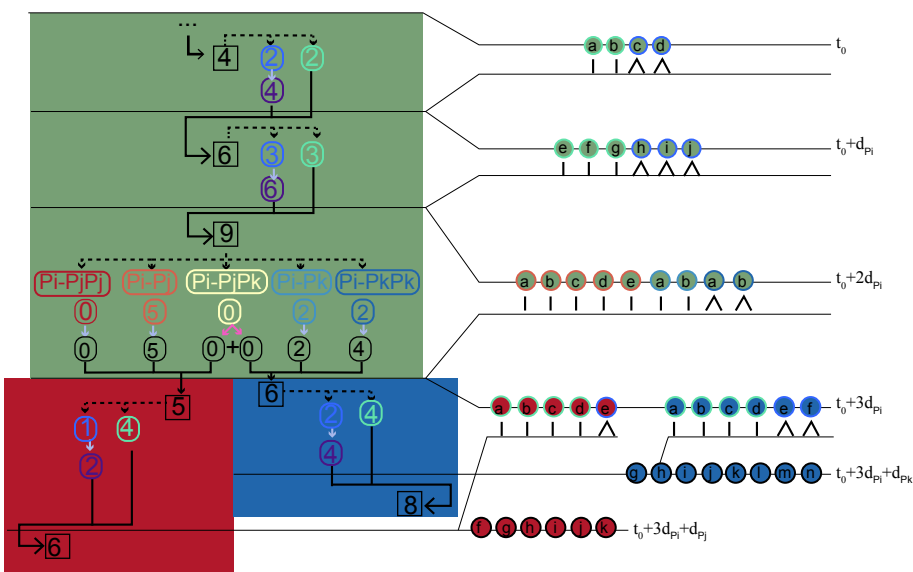


Step 3a: reorganize count graph

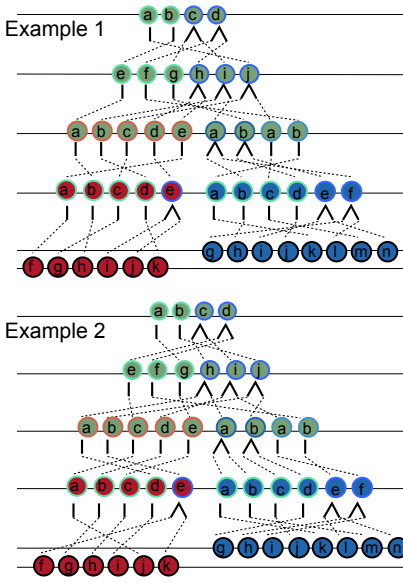


Count nodes: T C NC CI

Step 3b: list tree nodes



Step 4a: connect tree nodes



Step 4b: simplify phylogeny

