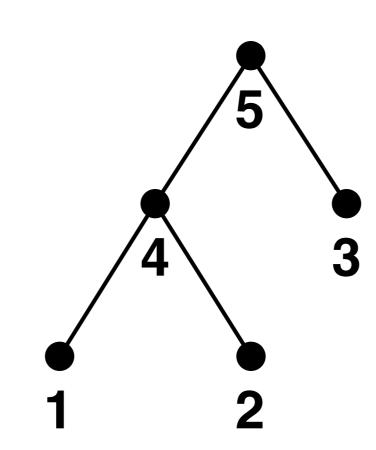
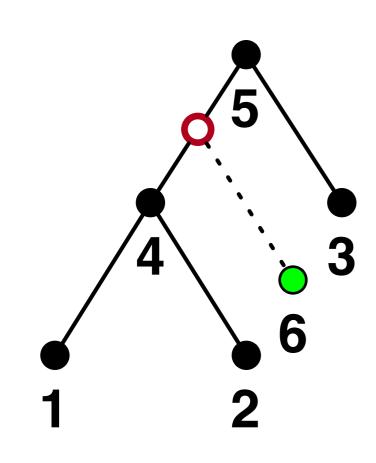
A

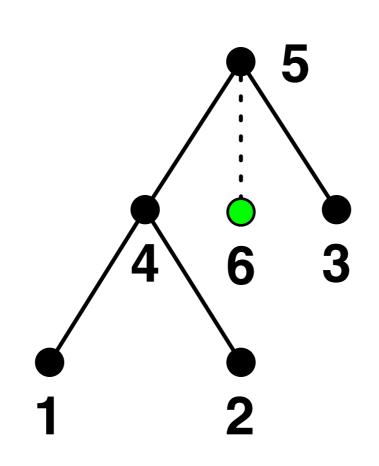
Original alignment



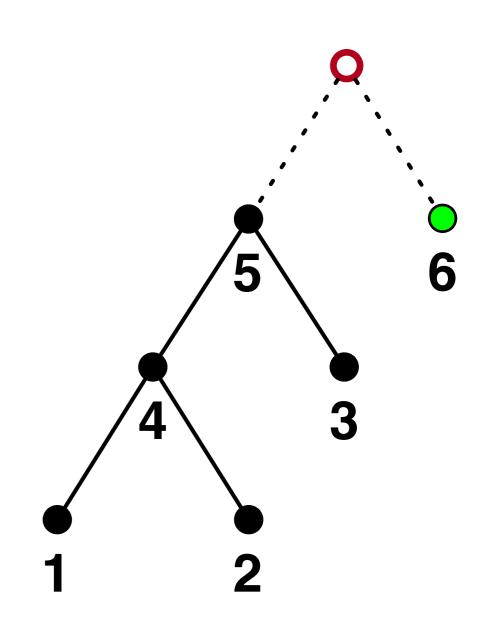
Adding to a branch



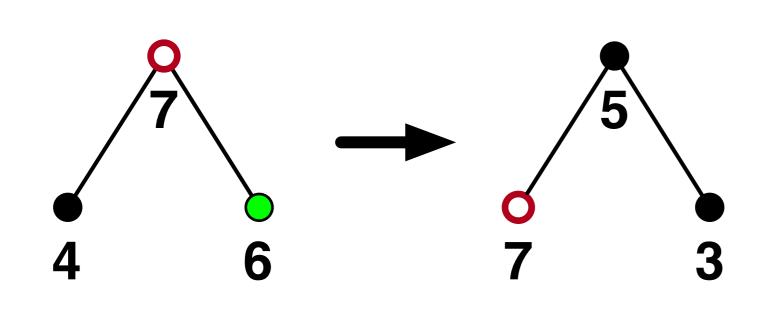
Adding to a node



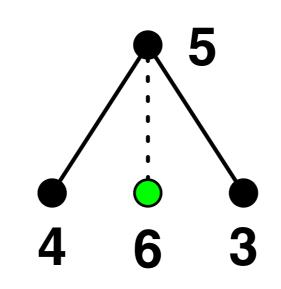
Adding as an outgroup



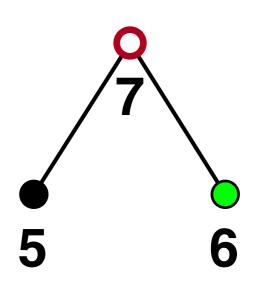
2 subproblems needed



1 subproblem needed



1 subproblem needed



Alignment	Precision	Recall	F1-score	CPU time
Genome added to branch	97.27%	88.40%	92.63%	11 h
Genome added to node	97.21%	88.35%	92.57%	16 h
Full realignment of entire tree & new genome	97.19%	88.33%	92.55%	176 h