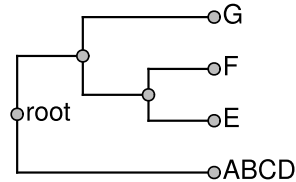


**(a)** Solution to subproblem  $ABCD$



**(b)** Solution to subproblem  $root$