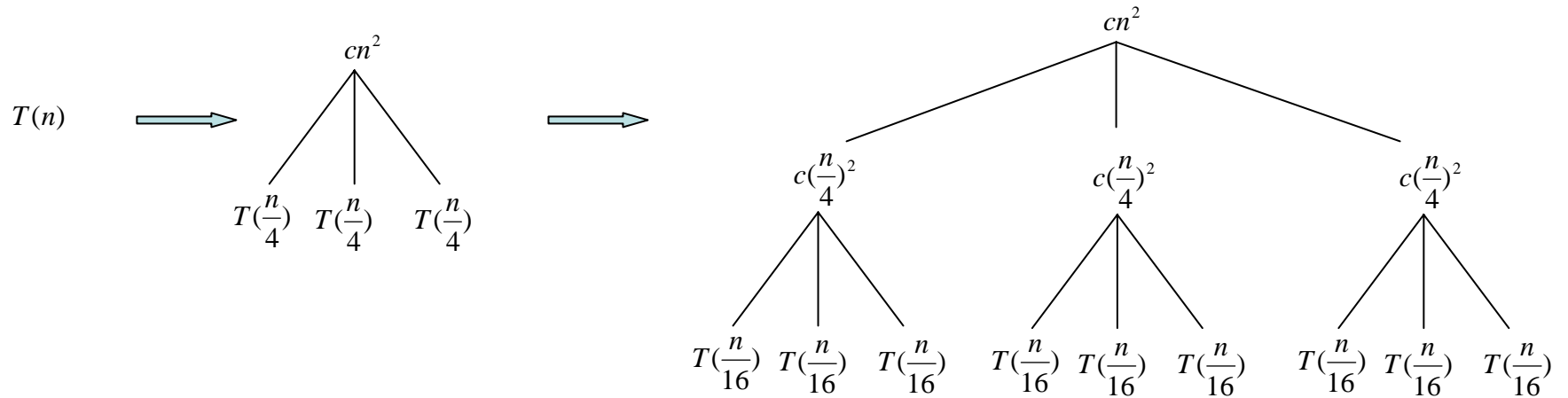
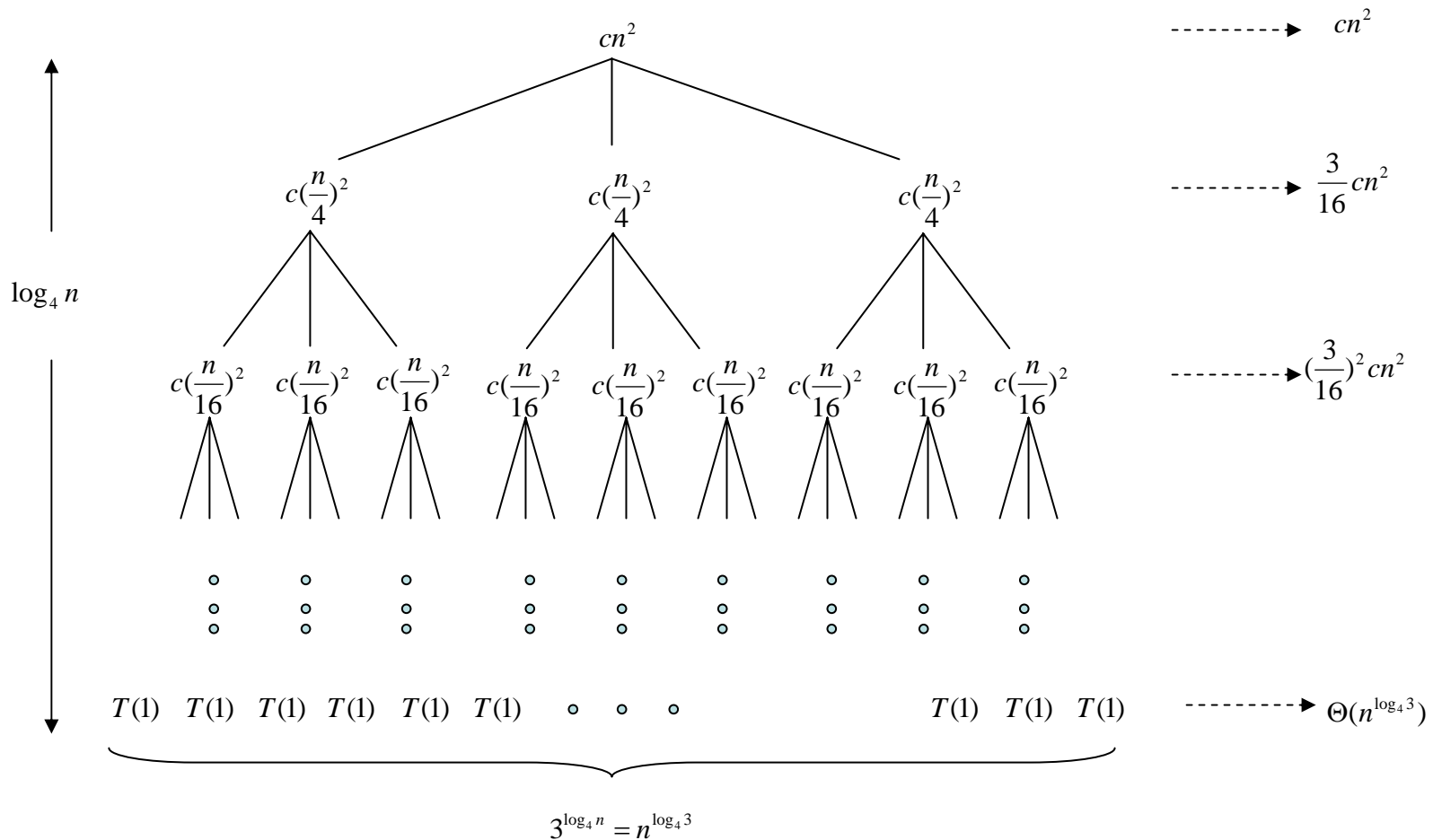


Constructing the recursion tree

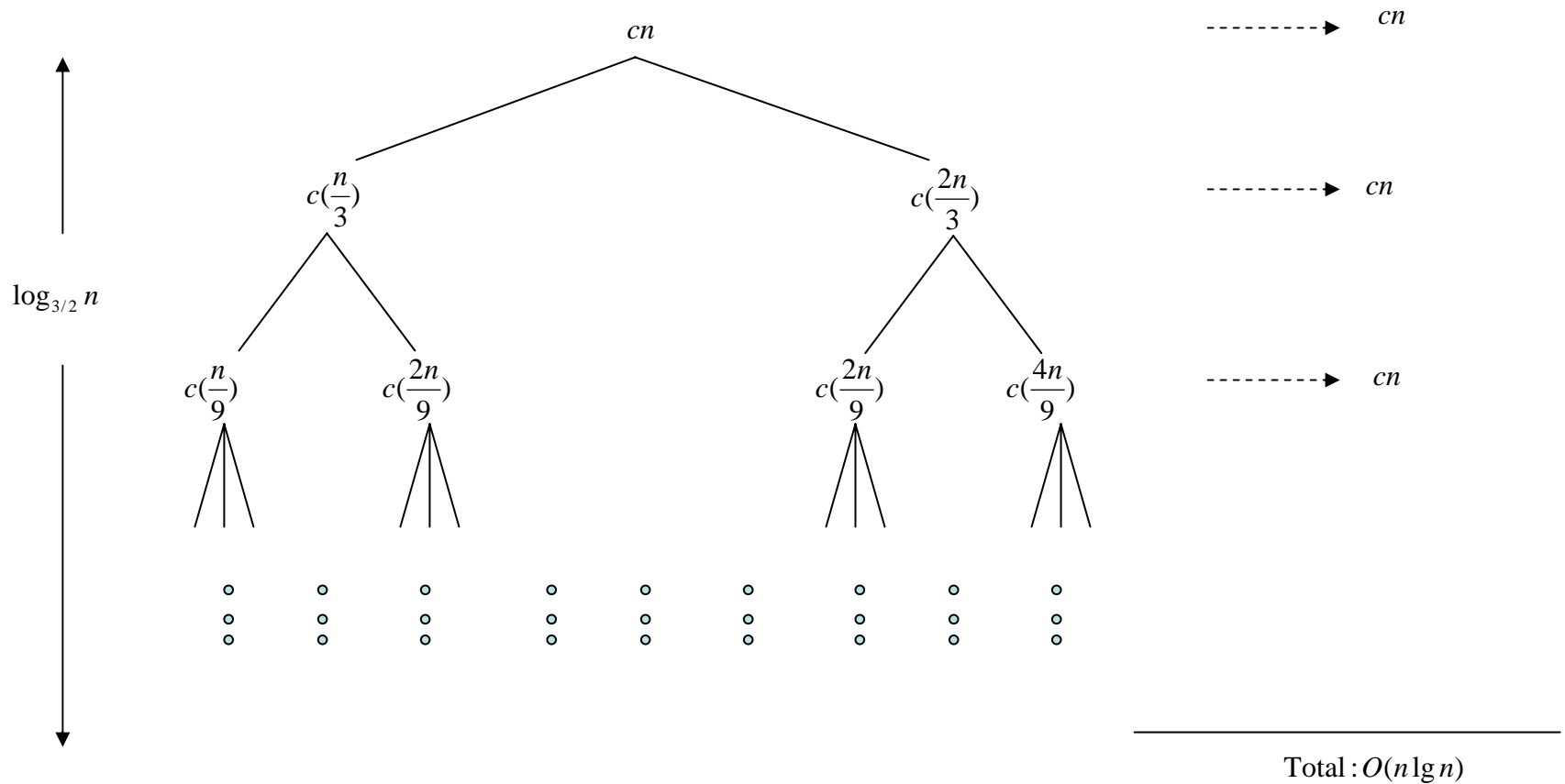


Constructing the recursion tree



Total : $O(n^2)$

Recursion tree for $T(n) = T(n/3) + T(2n/3) + cn$



This is not a complete binary tree

There are fewer than $2^{\log_{3/2} n} = n^{\log_{3/2} 2} \in w(n \log n)$ leaves