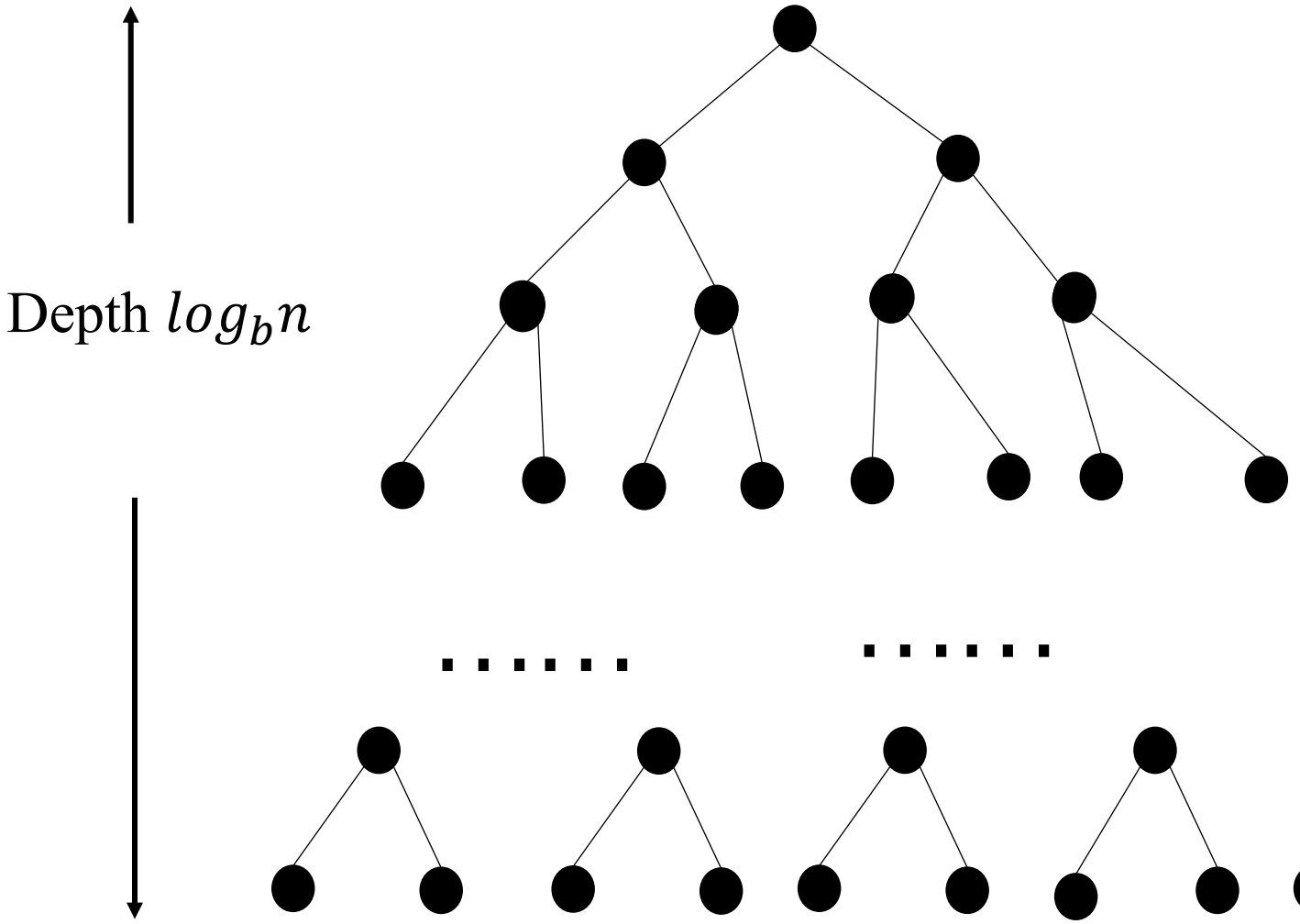
Recurrence Tree T(n)



Level	Computation
Level 1	$O(nlogn)$
Level 2	$2\times O(\frac{n}{2}log\frac{n}{2})$
Level j	$2^j\times O(\frac{n}{2^j}log\frac{n}{2^j})$
Level k	$2^k\times O(\frac{n}{2^k}log\frac{n}{2^k})$

Totally $k = log_2 n - 1$ levels