## ADS week 7

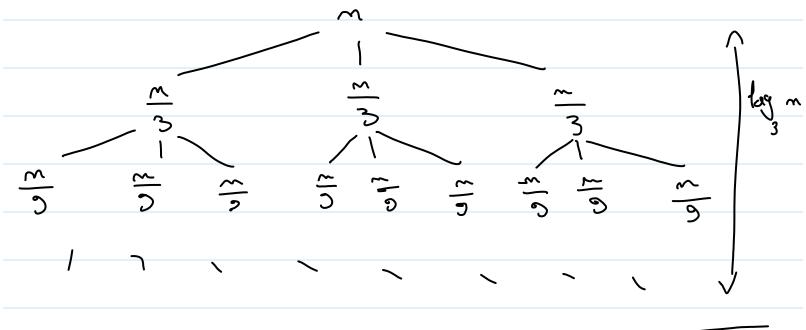
$$\begin{array}{c|c}
 & C & M \\
\hline
 & O(1) & O_A & C(m-2) & C(m-2) & C(m-2) \\
\hline
 & & O(n) & O(n) & C(m-4)
\end{array}$$

$$\begin{array}{c|c}
 & K = O(\frac{1}{2}m^{2}) \\
\hline
 & O(n) & O(n) & C(m-4)
\end{array}$$

$$\begin{array}{c|c}
 & & C(m-2) & C(m-4) \\
\hline
 & & O(n) & O(n) & C(m-4)
\end{array}$$

Best case.

$$T(m_1 - T(\frac{m}{3}) + T(\frac{m}{3}) + T(\frac{m}{3}) + O_m$$



Bet carse Ton = 0 (mlogn)

O (m læg m)