Josh McCoy Assonment 2 W(n) = 5 W(n/4)+n 1+5+25+125 ...

(3) W(n) = 7w(n/7)+n M(n) = 9w(n/3) + n2 $\frac{n}{3} = 1, i = \log_3 n \cdot n^2$ $+n^2$ $O(lay_3n\cdot n^2)$ W(n) = 8w(n/2) + n3 $\binom{n/2}{2}$ + n^3 $i = lag_2 n$ O (lay 2 n · n3)

u(n) = 49 u(n/25) + n3/2 logn 0/1092549 + n3/2/agn W/n) = W(n-1) + 2 u(n)= u(n-1)+nc with (21 Constant