T(m) = 2T(n/2) +m; T(4)=1 T(m) = 2(2+(m/4)+m2)+m T(m) = 2+T (m/4) +2m +m T (m) = 4T (m/4) + 3m T (m/4) > Wm) = 4 (2T (m/8) + m/4) + 3m $T(m) = 8T(\frac{m}{8}) + 7m$ T(m) = 2 × T (m) + (2 × 1) m $\frac{m}{2^{\kappa}} - 1 \rightarrow 2^{\kappa} = m \rightarrow \kappa = \log_2(m)$ Porak: Reamplazo: 9 (092 (m) + (9 10 92 m - 1) m T(m) = m. +(1) + m log m = m log m + m T(m) = m + m log 2 (m) T(m) = 0 (m, log (m))