Nother Raligies Negro 487274250 ADA Priche 4 ej.: 2. El algoritmo dado no trene caso mejor no $G_{e}(n) = T(n) = \begin{cases} \frac{n-2}{2}1 + \frac{1}{2}T(\frac{n}{2}) & n > 1. \\ 1 & \leq 1 \end{cases}$ T(n) = n-2 + 4.T(=) = n-2+4.(=-2+4.Ta) = n-2+2n-8 +16T(=)= = n-2 +2n-8 +16 (\frac{n}{2} -2 + 4 T (\frac{n}{e})) = = n-2 + 2n-8 + 4·n-32 + 64 T(=) General: $\frac{K-1}{\sum_{i=1}^{n-1} (2^{i-1} - 2 \cdot y^{i-1})} + y^{k} + (\frac{n}{2^{k}}) - 0$ $-\frac{\sum_{k=1}^{K-1} 2^{k-1} - \sum_{k=1}^{K-1} 2^{k-1}}{\sum_{k=1}^{K-1} 2^{k-1}} + \frac{1}{2^{K}} \frac{1}{2^{K}} - \sum_{k=1}^{K-1} 2^{k-1} - 2 \cdot \frac{1}{2^{K-1}} + \frac{1}{2^{K}} \frac{1}{2^{K}} + \frac{1}{2^{K}} \frac{1}{2^{K}}$ $\frac{n}{2^{K}} = 1 \quad n = 2^{K} \quad \left[\frac{\log_{2} n}{n} = K \right] + \left(\frac{\log_{2} n}{2} - 1 \right) = 2^{K} \quad \left[\frac{\log_{2} n}{2} - 1 + \gamma \log_{2} n - 1 \right] = 2^{K} \quad \left[\frac{\log_{2} n}{2} - 1 \right] = 2^{K} \quad$ => $n \cdot (\frac{n}{2} - 1) - \frac{n^{2} - 4}{6} + n^{2} \in \Theta(n^{2})$ Coste exacto => O(n2).