EJERCICIOS

- $T(n) = aT(\frac{n}{b}) + cn \qquad a_1b_1 (71 \text{ (tes } T(1)) \ge 1)$ $a \le b \implies T(n) = O(n)$ $a = b \implies T(n) = O(n \log_2 n)$ $a > b \implies T(n) = O(n \log_2 n)$
- $\frac{2}{T(n) = KT(n-1) + 5} \quad n74, \ K_1 \le > 4 \quad T(1) = 1$ $T(n) = 0 \quad (K^n)$
- 3 T(n) = kT(n-1) + f(n) n>4, k>4 <math>T(1) = 4 $f(n) \gg 0 \quad \forall n \gg 0$
- (9) T(n)=T(1/2)*[T(1/4)]2 n>4 T(1)=2 T(2)=4
- (5) $\frac{T(n)}{2^n} = \frac{2^{\frac{n}{2}}T(\frac{n}{2})}{T(\frac{n}{4})}$ n > 2 T(0) = 4 T(1) = 4
- (6) T(n) = 2T(1/2) + ny n72 T(1)=1
- (1) T (n) = 2T (n/2) + by n n7/2 T(1)=4