TALLER: MÉTODO MAEDTRO

EJERCICIO 1.
$$T(n) = 4 \cdot T\left(\frac{n}{2}\right) + O(n^2)$$

$$Comparación "$$

"VALORED"

$$\alpha = 4$$

$$a = 4$$
 $b = 2$ $d = 2$

$$f(n) = O(n^2)$$

$$\alpha = b^d + (4 = 2^2 + 4) \rightarrow CA30 2. T(n) = O(n^2 Log n)$$

$$T(n) = O(n^2 \log n) /$$

$$T(n) = 3 \cdot T\left(\frac{n}{3}\right) + O(n)$$

$$f(n) = O(n)$$

$$\alpha = b^d \rightarrow (3 = 3^1 + 3) \rightarrow CASO 2$$
. "COMPLEJEDNO FINAL"

EJERCICIO 3.

$$T(n) = 5 \cdot T\left(\frac{n}{2}\right) + O(n \log n)$$

$$f(n) = O(n \log n)$$

$$a > b^d + (5 > 2^1 + 2) \rightarrow CASO 1. "COMPLEJIDAD FINAL"$$