DEL WWILE TIEMPO valor de c paso · si es potencia C= 1 hace C = 2C=4 wi is . c= 21-1 VIZIVUO POSO (long 2 (n)

$$T(h) = cte_1 + \sum_{i=1}^{log_2(n)} cte_2 =$$

=
$$cxe_1 + coq_2(n)$$
. cxe_2

ORDEN CANDIDITO -> LOQZ(N)

priTER TERTINO

con
$$c_1 = k_1$$
 y $v_0 = 1$ se sique verificanolo la

segunas termino

$$k_1 + \log_2(n) \cdot k_2 = c_1 - \log_2(n) + c_2 \cdot \log_2(n)$$

 $T(n) = (c_1 + c_2) \cdot \log_2(n)$

ENTONCES

$$T(n) L = O(\log_2 \ln n)$$
 con $C = \kappa I + \kappa Z$ para radio $n > = n O$ con $n O = I$.

TIETIPO DEL WILL

valor de C paco

 $C = 8 = \frac{N}{2}$

$$C = 4 = \frac{5}{4}$$
 $C = Z = \frac{5}{8}$

$$C = \frac{v_1}{2^{i-1}}$$

$$C = 3$$

$$C = \frac{3}{2}$$

using owni

1

$$\frac{N}{2^{i-1}} > 1 =$$

$$T(n) = cte_1 + \sum_{i=1}^{100} cte_2 =$$