T(n) = T(n/1) + Cc'la 1 $T(n) = T(n/2^2) + 2C$ in 2 = 7(h/2) + 30 ih 3= 7 (n/2") + 4c th 4 = ~ (1) + - - -Let 7(1) is reached at kt ilists T(h) = T(h/2k) + kc= T(1) + LC n = 2l $k = \log_2 n = \lg n$ 8hm 1 k 1 h (1) $T(h) = |gn \times C + T(1)|$ = d lgn + I(1) $\mathcal{D} = 2^{1} \mathcal{T} (h/2) + h$ $= 2(2TM_{H}) + h/2 + h$ $= 2^{2}TM_{2} + h + h$ =237(h/3)+3hThis when with T(1) Let TH is reached at 1 khitu MM $C(n) = 2^{1} C(n) + kn$ $T(n) = 2^{\frac{hg_2h}{1}} T(1) \rightarrow n \mid gh$ = n (0922 TU) + n /g h - n s(1) + n lgh

Iteration method

Friday, 28 January 2022 9:14 AM