



I(n)= 3[3 I(n-3)] T(n-2) = 2T (n-2-1)-1 I(n) = 3k I (n-k) P(n-2) = 2T (n-3)-1 n=K=0 [put value of Kinn] put relia of I(n-2) in eq (2) I(n)= 3 × T(K-K) 1cn) = 4 [27 (n-3) -1] -2 T(n) = 8T(n-3)-3 $T(n) = 2^{\kappa}T(n-\kappa)-\kappa$ T(n) = 3 × T(0) 1.6.= 0(37) n- k = 0 n = KT(n) = { 2T (n-1)-1 if n 10, otherwise) T(0)=1 $T_{(n)} = 2T(n-1)-1-0$ $T_{(n)} = 1$ T(1) = 2T (1-1) -1 04 = 2T (0) -1/2 = + 2 = 1 + + = 1 + 2 + 1 put n=n-1 in eq () T(2) = 21 (2-1)-1 T(n-1) = 2T(n-1-1)-1 = 2T(1)-1 T(n-1) = 2T(n-2)-1put value of ((n-1) in eq 6 = 2(2-1)-1 4-2-14=1 T(n) = 2[2T(n-2)-1]-1 T(3) = 2T(3-1) - 1T(n) = 4T(n-2)+2-02 + (2) -1 = 2 (4-2-1) -1 put value of n=n-2 in eq 1 = 8-4-2-1=1 T(4) = 2T(4-1)-102/24/2024 19:40



