





· (B) Tenj= 3 Tenj3) + (n) not a Polynomial 0=3,6=3 n 1093 = [n] Using master generization
O(n Logn) Case Z ford no can't write is or the So, we cannot solve it with master directly (17) TLN) = 6 TCN/3/ +n2 LOON 0=6 b=3 d=7 n 6936 = 1.63 + n2 for non foly can't be solved by Master Ola Loga) Case ? (B) T(n)= 4T(n/2) + n/L=9 n case 1 0(n2) Con't be Salved by Master (12) > n/Losn (3) T(n) = 64 T(n/8) (n2 Log n) 0-64 b= 8 J-2, L=1 n 109 64 Cantbe Solved by Moster 0 (n2 Logn) as fla) is negative Tother technique

ED T(N)= 7 T(N/3) + n2 O(n2) Cose 3 (20 T(n) - 4 T(n/2) + Logn a= 4 h= 2 Can't be solved by Master theorem as fen) cannot be Logn and we can DICH = T(N/2) 1 m/2 Colonomial Cosel it on the form of nd (2) T(n/= T(n/2) + n(2-Cosn) Also, We Con upt Write the fCN) -> nCZ-cosn on the form of no Con't be solved by Mrstor theirem Mahamuf Eldasla A 25 feb 2023

