@ Trn1=3T(3)+In finizin => nlega nleg3 20(n) r moster theorem del cito de cito or Pin z G(n) (b. Tin 28T (7/4) + nlogn finizhlagn az B nlgn $e O(n^{\frac{2}{12}})$ χ nlgn $e \Theta(n^{\frac{29}{12}})$ χ Finithleg $n \in S2(n^{\frac{29}{12}+\epsilon})$ $\xi > 0$ leg a leg 3 2 1.2 2 1.2 2 79 Regularity condition: afin (Cfin) == 3(4) leg 4 O C. nleg n => C = 3 + leg n (3n leg n / T(n)= O(nlogn) C.] a = 4

b = 2

fini n²

fini n²

nley b = n²

. ins case master theorem for case d. P(n) 14 T(n, 1+n2lg2n If finiz \text{\text{(n \langle leg n) with \text{ \text{\text{No.} then \text{T(n)} z \text{\text{(n \langle leg n)}.} 0:4 legs 2 2 fin 20(n. leg n) 507(n):0(n^2/leg n) fin) n2 legn