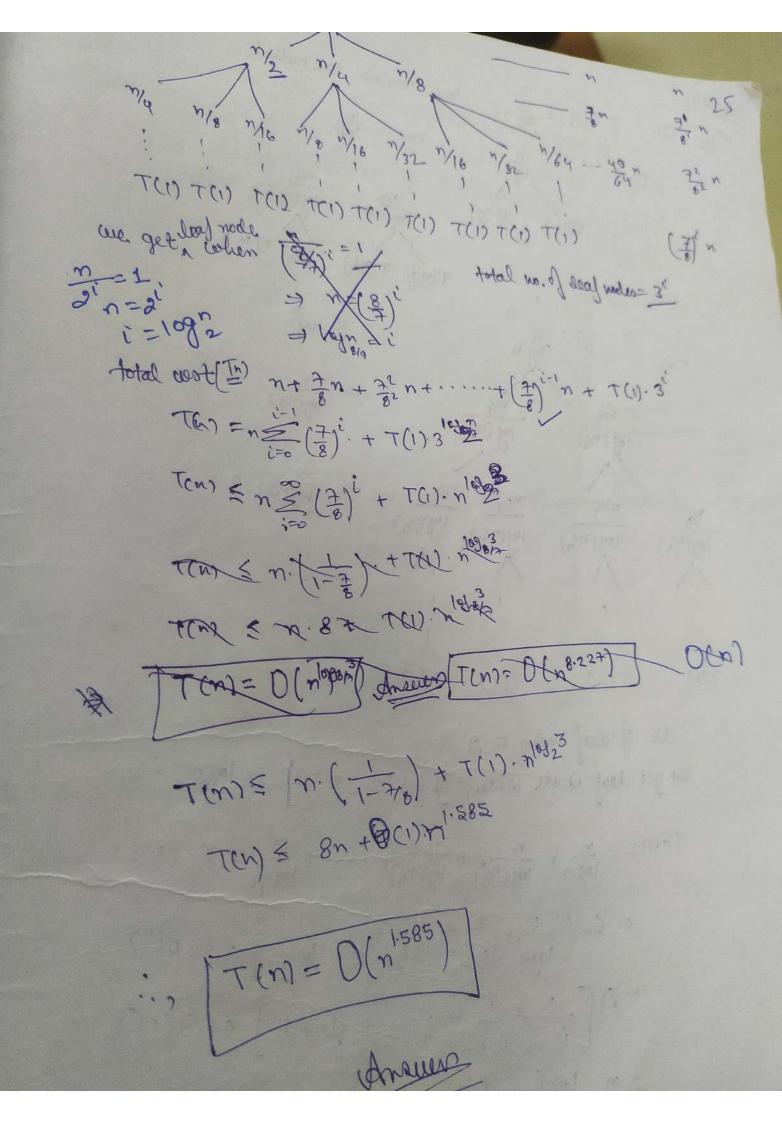
TCI) TCI) TCI) we get leaf inade when, $\frac{\eta}{2}=1$ as $n>2^i \Rightarrow lag_2=i$ No. of loaf nocles = 20 Tene 10/1 1 10/1/2) + 10/1/20) + 10/20 + 20,700) = $en(\frac{1}{\log 2^{i}} + \frac{1}{\log 2^{i}} + \frac{1}{\log 2^{i}}) + n.\theta(1)$ = N[1 + 1 + 1] + n. 8(1)] How to grand is Draw a recovering dres to gen = n. log i + n0(1). is steply matter method =n. 103 (gn+n.8(1) Tenz O(n log logn) Johns Adre the recurrence T(n) = 2T(12) +n

T(m) - T(m)+T(m)+T(m)+ w T(m)= T(m/2)+ T(m/4)+ T(m/8) +m T(W/2) T(W/4) T(M/0) (m) = B(m/ym) コーニュナルカ "Cut leyn (n (out 1 I thus) ग्रिक्षे म्हिन व्या (क्षेत्र) म्हिन व्या



3/08/16 1 T(m) = $2T(\frac{n}{2}) + \frac{n}{\log n}$ by recursion-tree method. $\frac{\eta/2}{\log(\eta/2)} - \frac{\eta/2}{\log(\eta/2)}$ T(M) T(M) T(M) T(M) 19gn 10g(n/2) 10g (Mic) - Togewa) TCI) TCI) TCI) No. of leaf modes = 2i
we get leaf made when, $\frac{n}{2}=1 \Rightarrow n-2i \Rightarrow 1092$