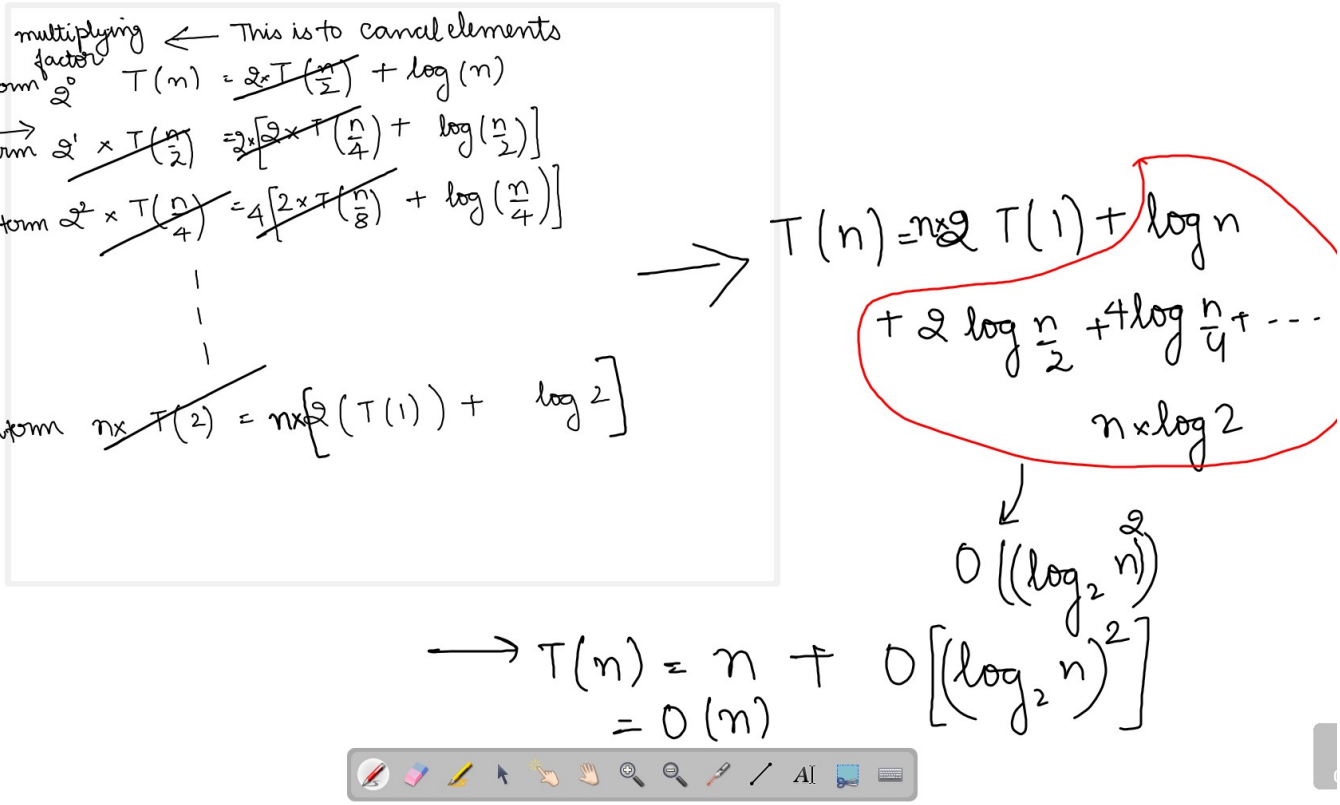
multiplying factor ← This is to cancel elements
1st term 2^0 T(n) = 2×T(n/2) + log(n)
2nd term 2^1 × T(n/2) = 2×[2×T(n/4) + log(n/2)]
3rd term 2^2 × T(n/4) = 4[2×T(n/8) + log(n/4)]
xth term nx T(2) = nx[2(T(1)) + log 2]
T(n) = n×2 T(1) + log n
+ 2 log n/2 + 4 log n/4 + ...
n × log 2
O((log2 n)^2)
T(n) = n + O[(log2 n)^2]
= O(n)